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Fig. -1

TRAFFIC COMPLEX

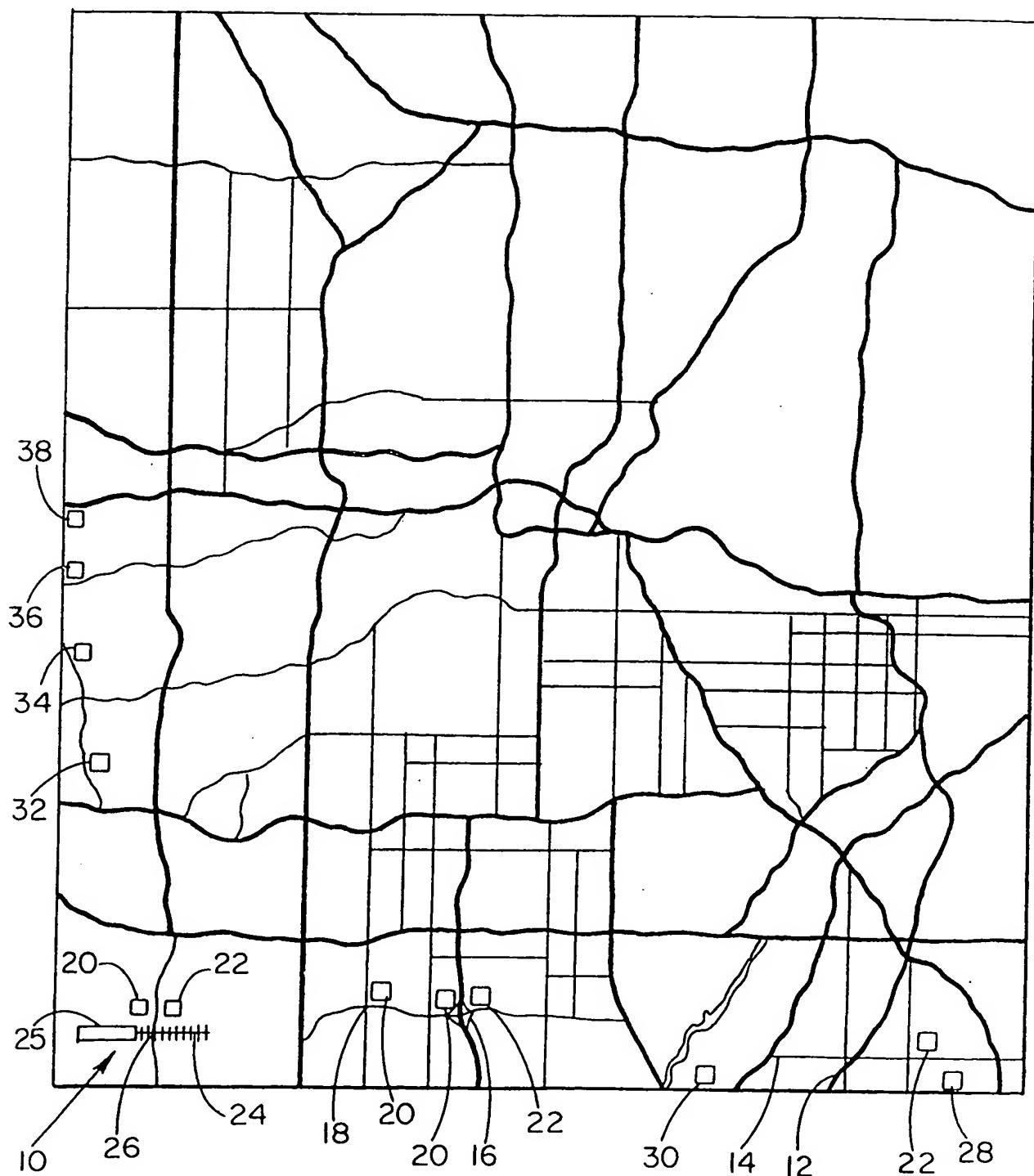


Fig.-2

COMMUNICATION IN TRAFFIC COMPLEX

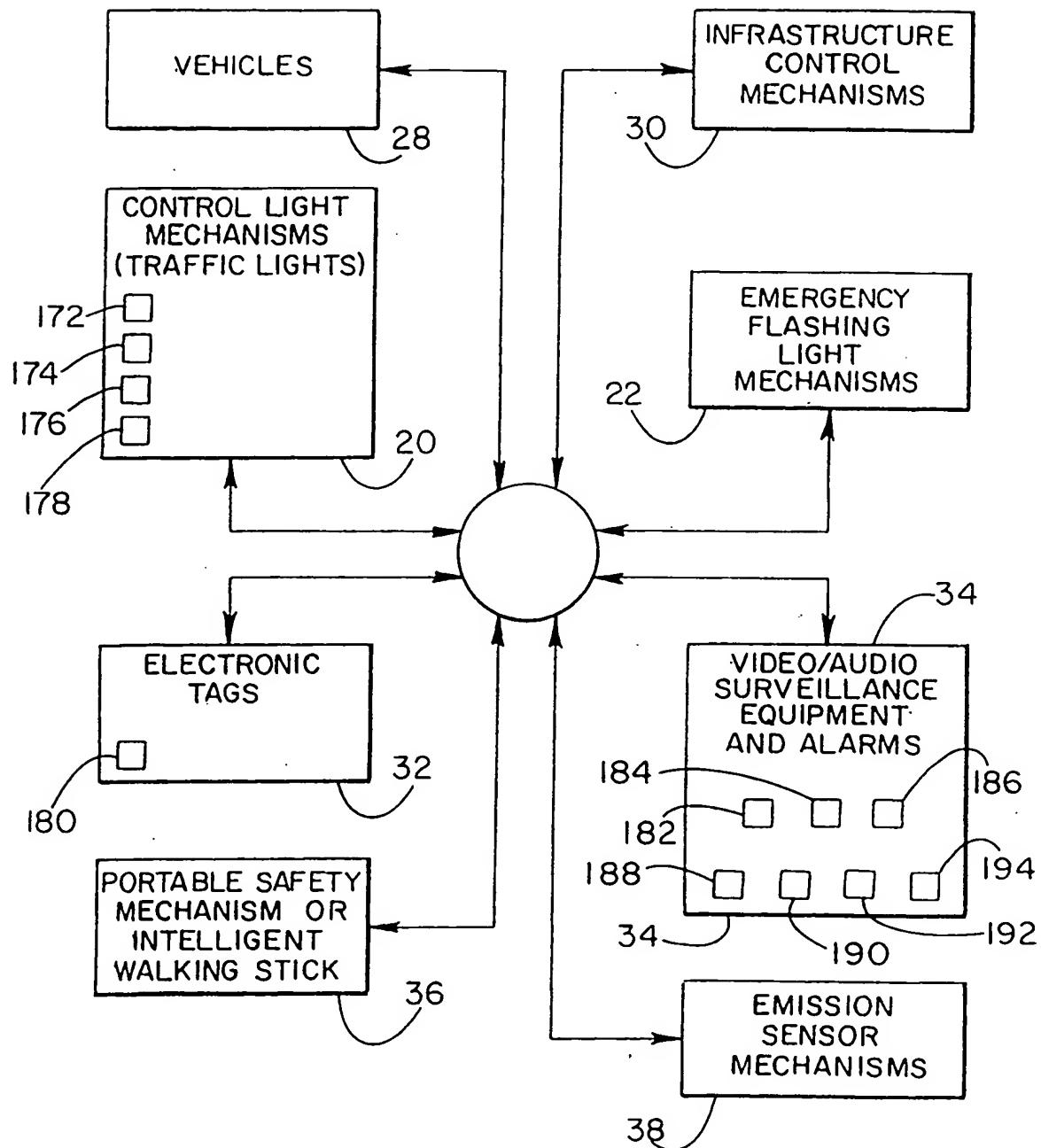


Fig. - 3A

VEHICLE
(AUTOMOBILE, TRUCK, BUS, EMERGENCY VEHICLE,
RIGHT-OF-WAY VEHICLES)

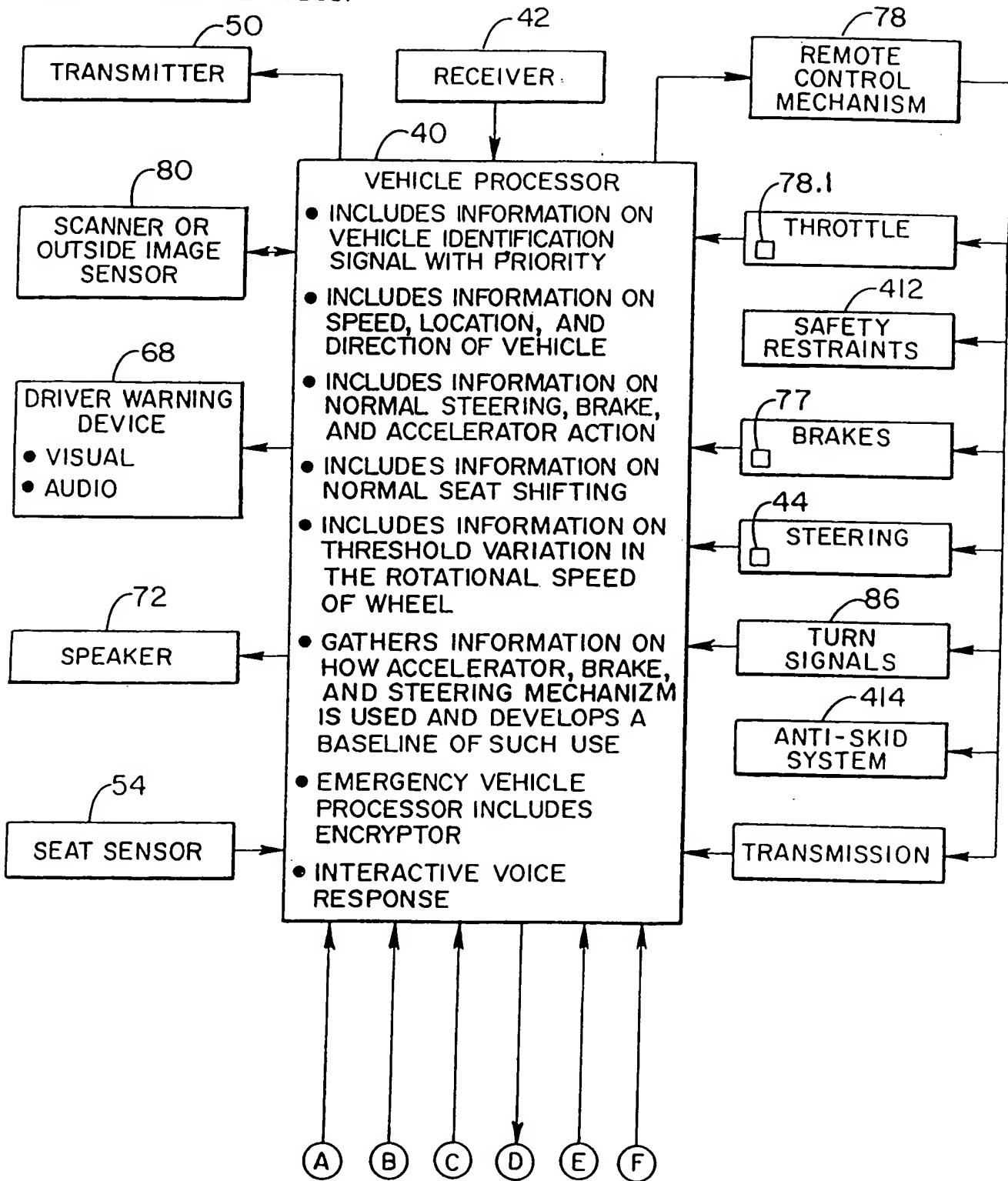


Fig.-3B

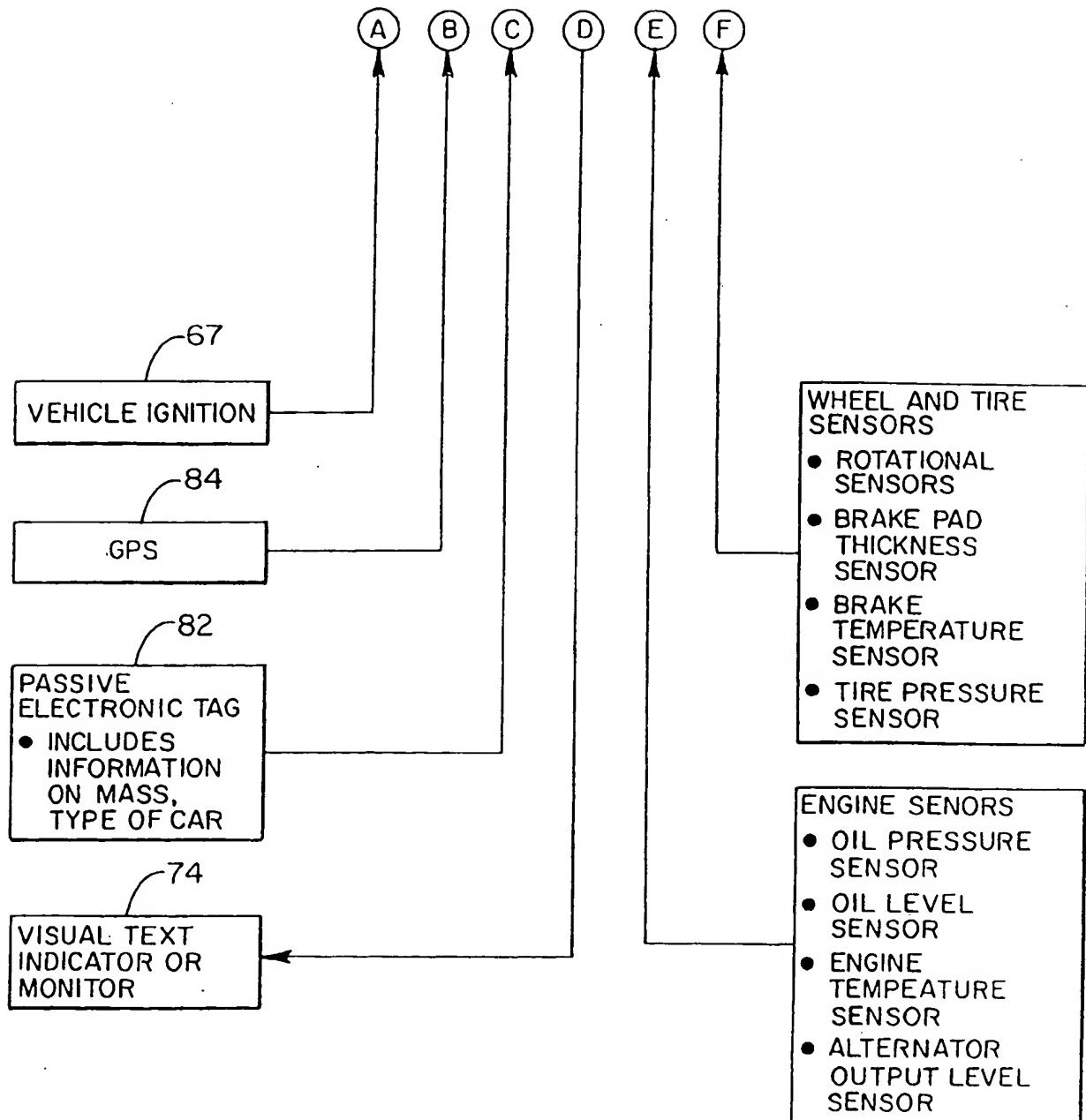


Fig. -4

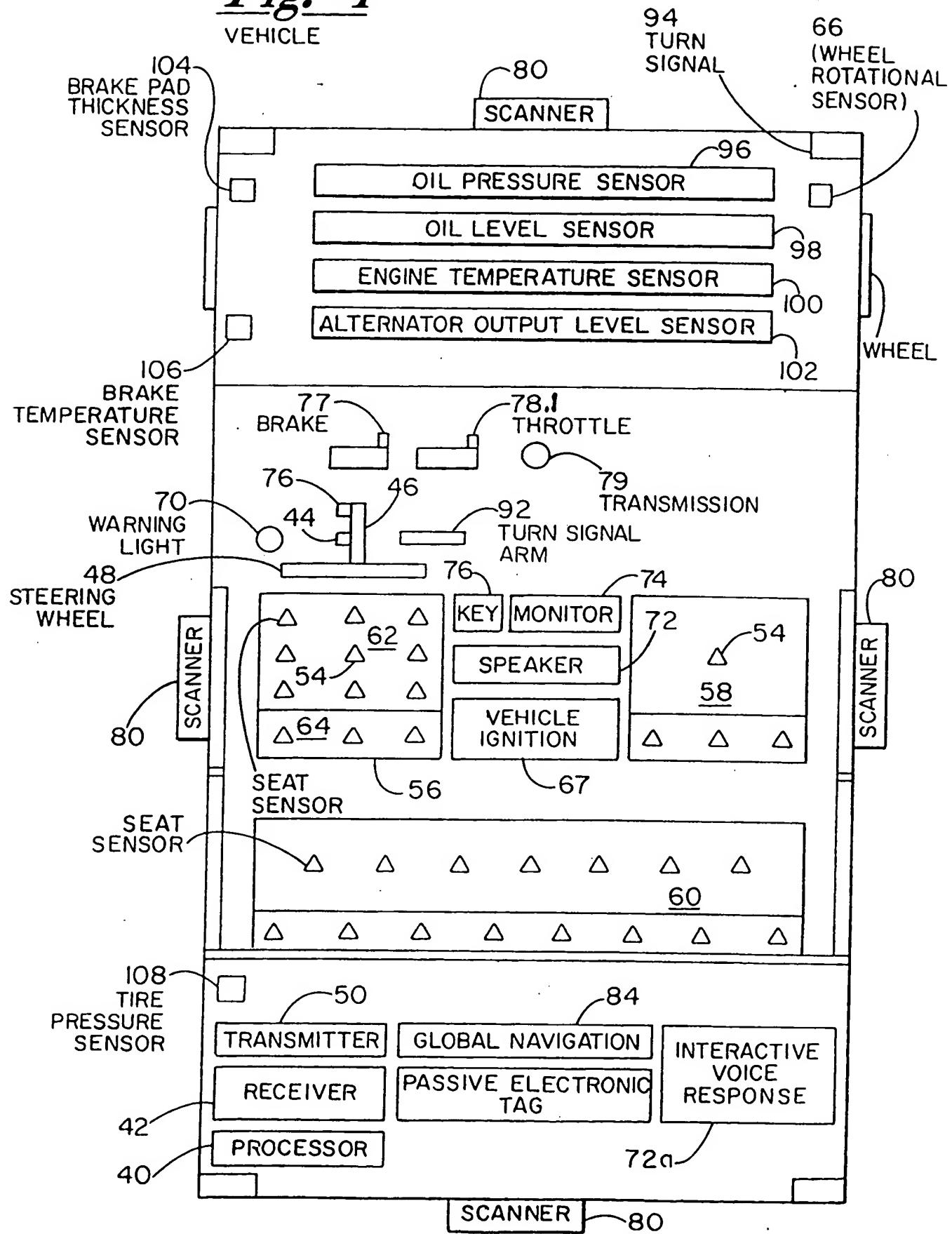


Fig.-5A

INFRASTRUCTURE CONTROL MECHANISM

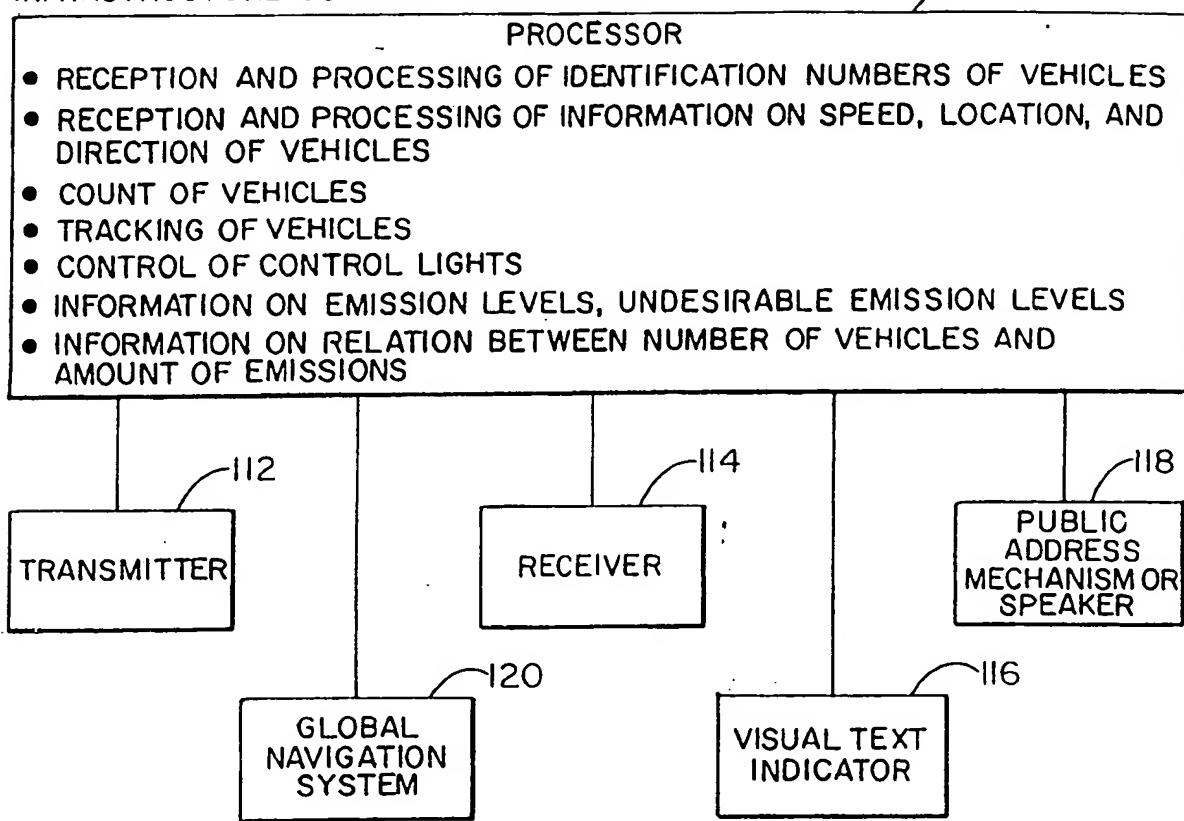


Fig.-5B

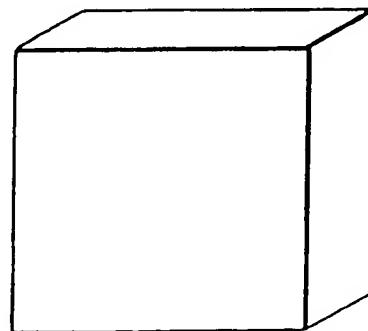


Fig.-6A

EMERGENCY FLASHING LIGHT MECHANISM

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PROCESSOR

- OVERRIDES TRAFFIC CONTROL LIGHTS
- INCLUDES PREDETERMINED PROTOCOL FOR VEHICLE WITH HIGHEST PRIORITY
- CHOOSES TO ASSIGN A HIGHER PRIORITY WHERE TWO OR MORE VEHICLES HAVE THE SAME PRIORITY
- INCLUDES DECODING SOFTWARE OR ENCRYPTION SOFTWARE TO DECODE IDENTIFICATION SIGNALS FROM EMERGENCY VEHICLES

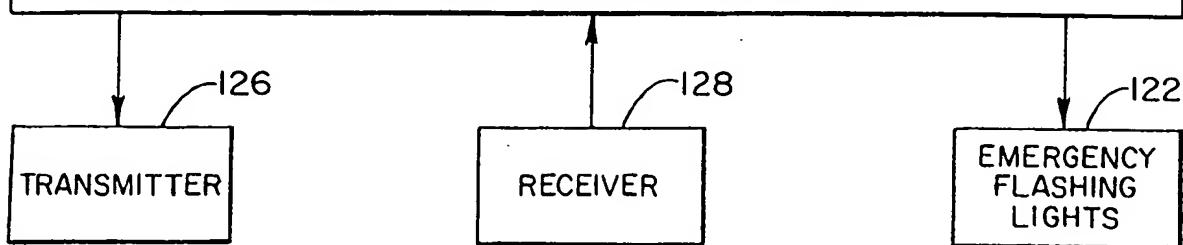


Fig.-6B



Fig.-7A

CONTROL LIGHT MECHANISM

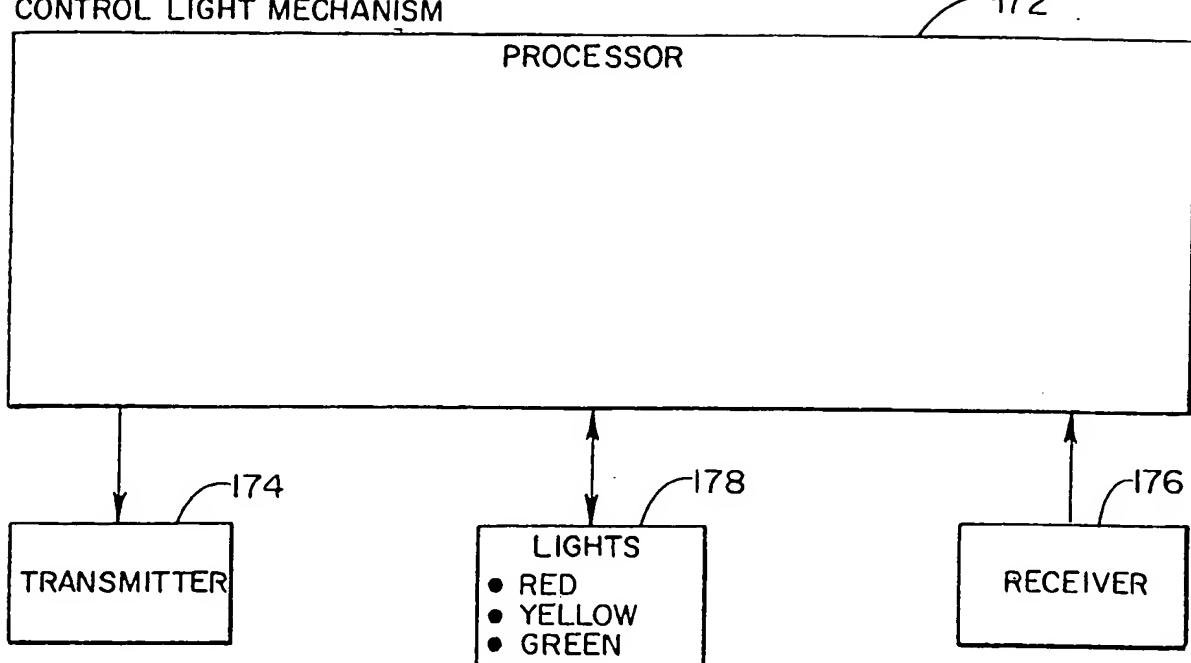


Fig.-7B

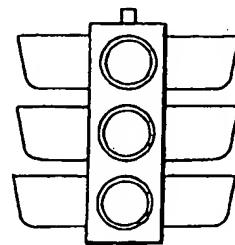


Fig.-8A

VIDEO/AUDIO SURVEILLANCE AND ALARM EQUIPMENT

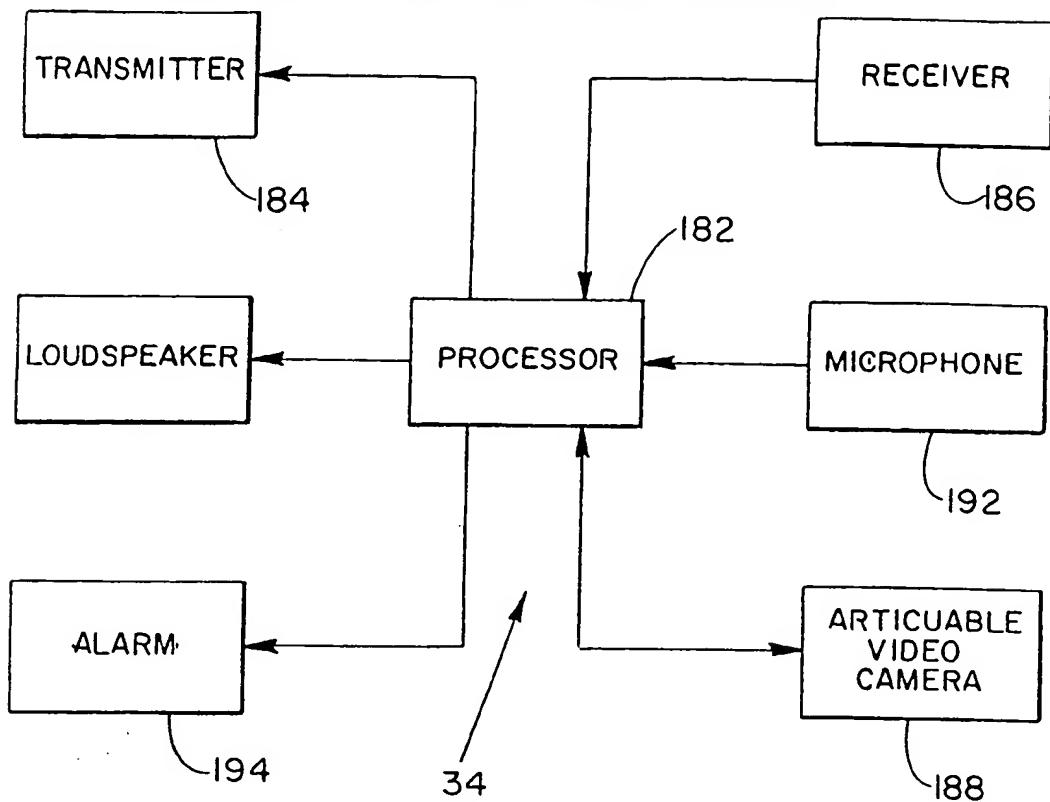


Fig.-8B

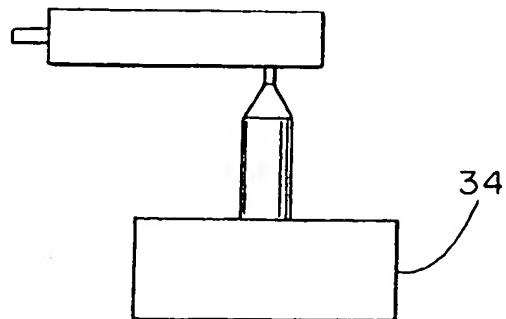


Fig. -9A

EMISSION SENSOR MECHANISM

PROCESSOR

- INCLUDES INFORMATION ON EMISSION STANDARDS OF VEHICLES
- INCLUDES INFORMATION ON ACCEPTABLE EMISSION LEVELS

TRANSMITTER

RECEIVER

SENSOR

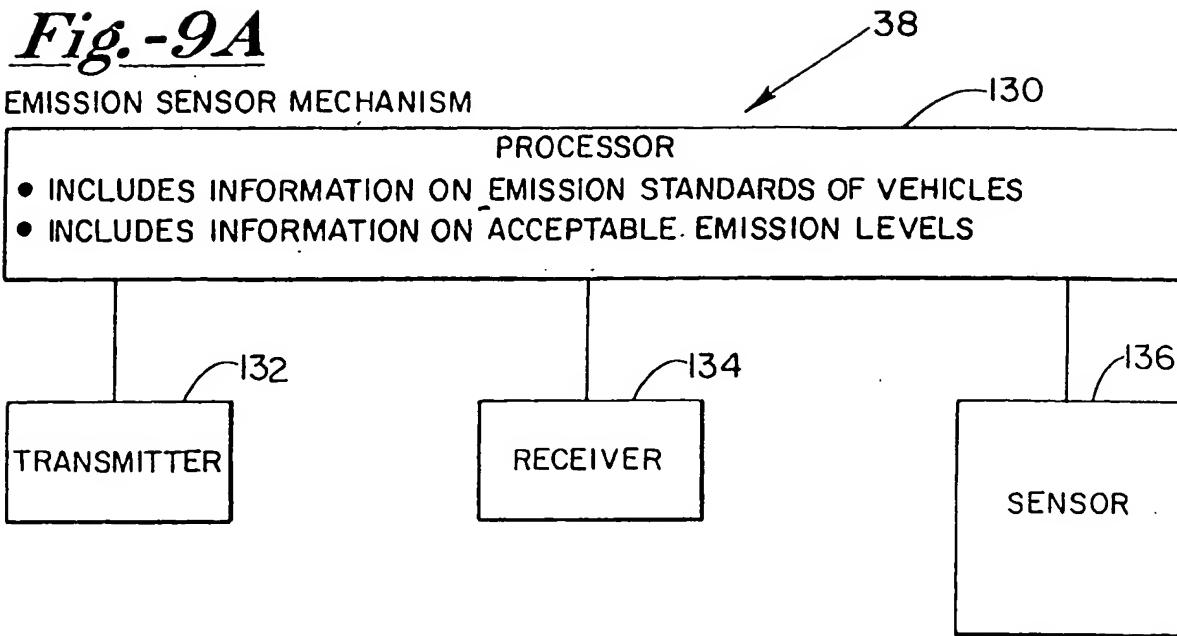


Fig. -9B

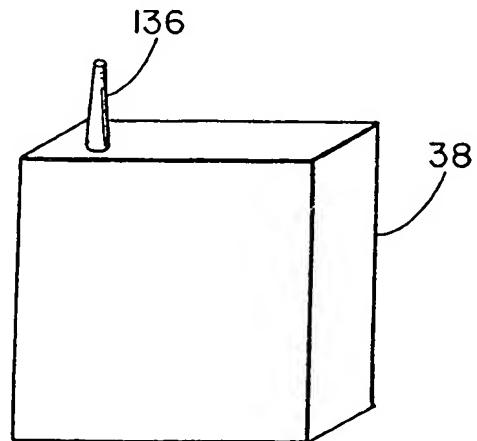


Fig.-10A

ELECTRONIC TAG MECHANISM

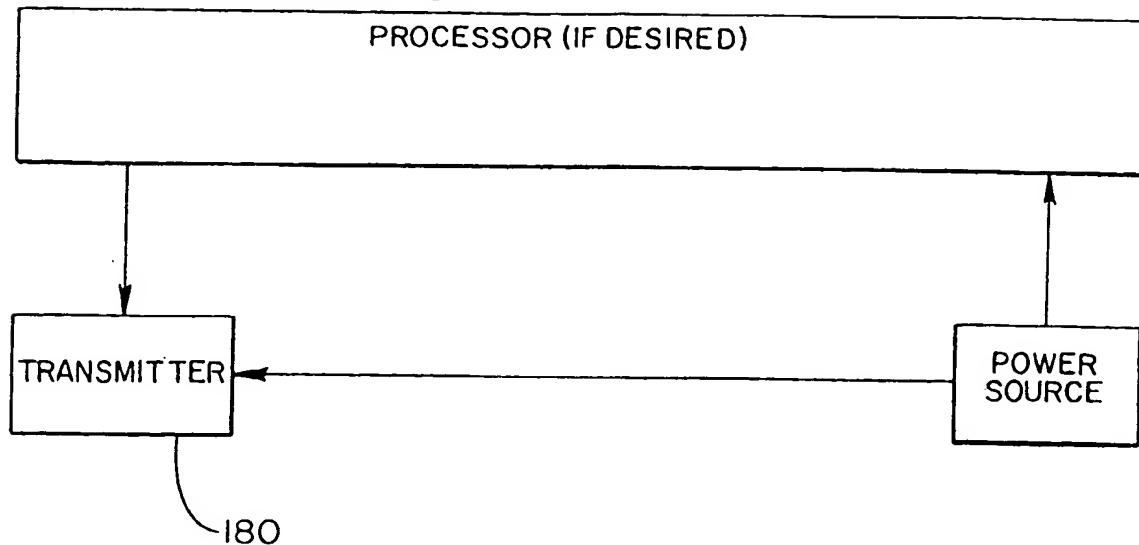


Fig.-10B

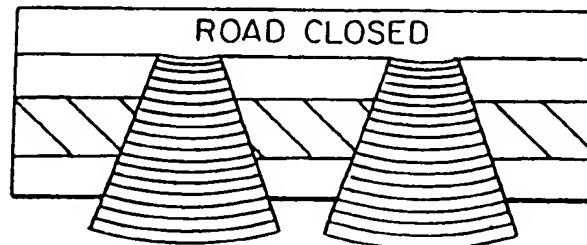


Fig.-IIA

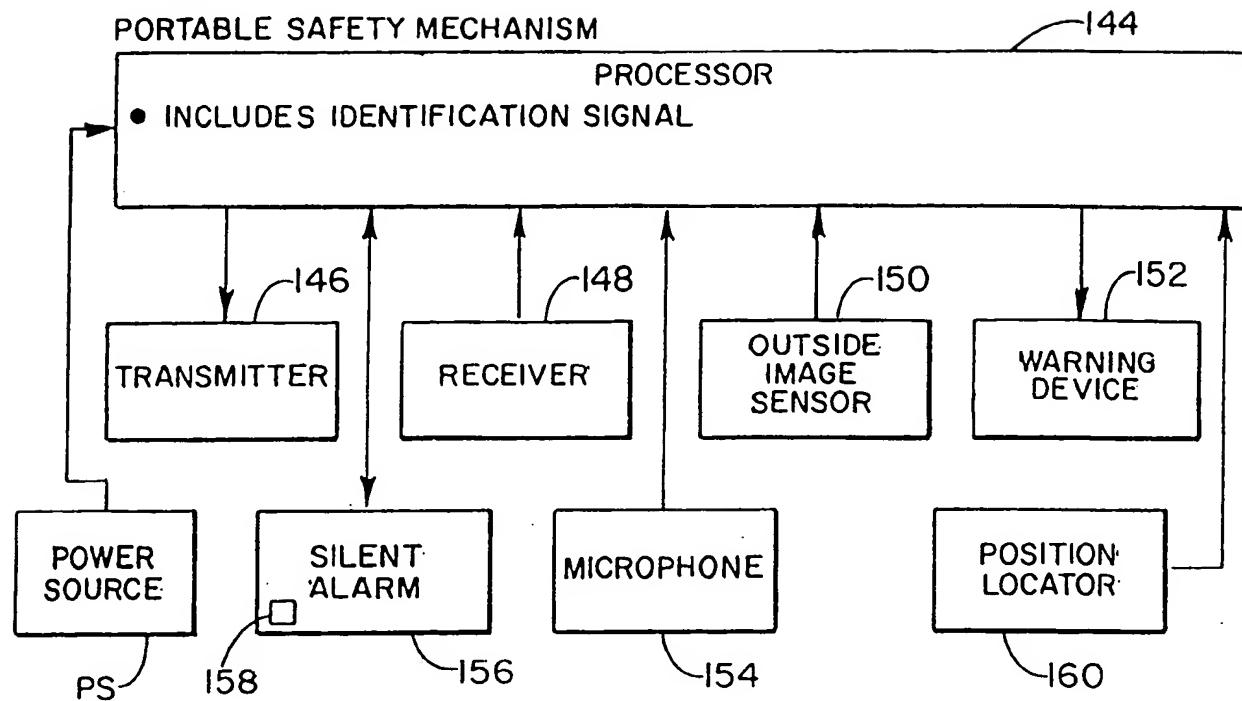


Fig.-IIB

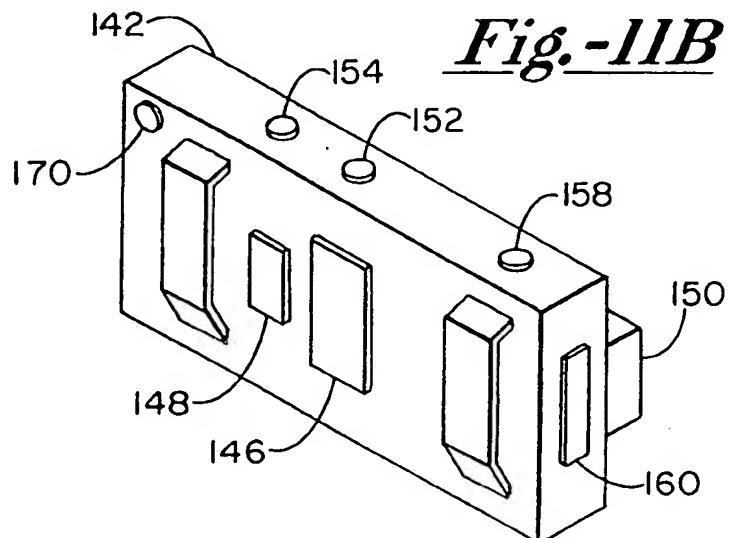


Fig.-12B

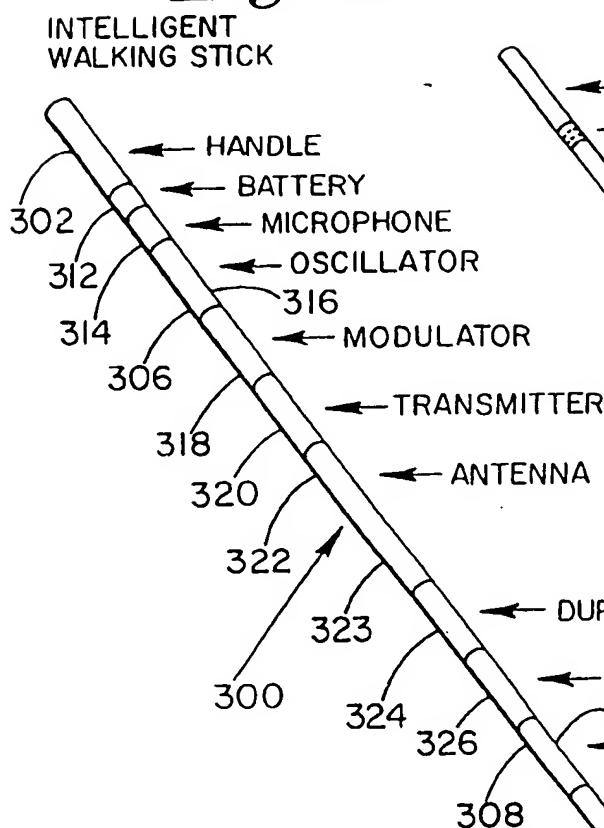


Fig.-12C

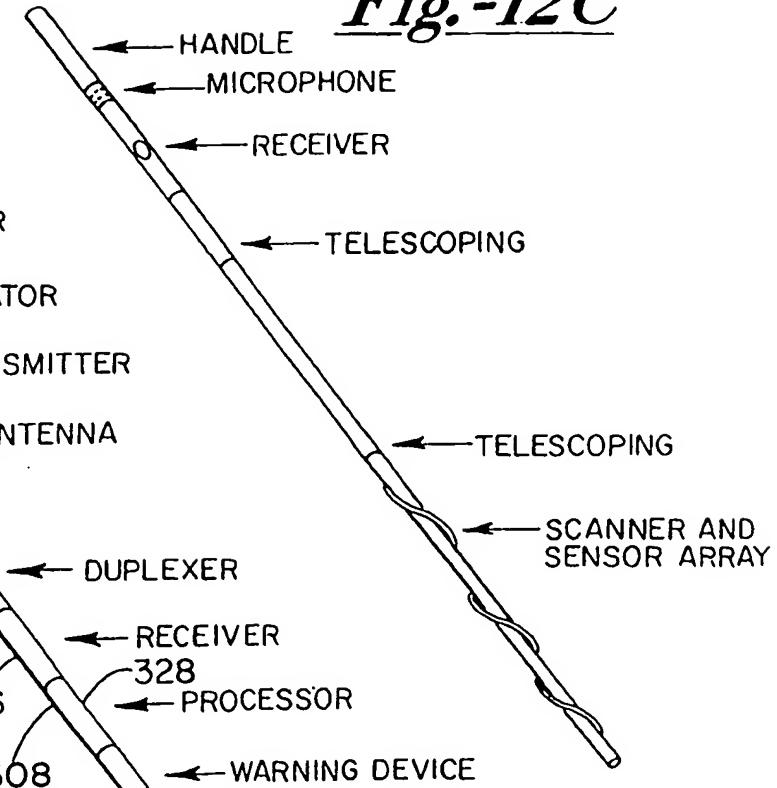


Fig.-12A

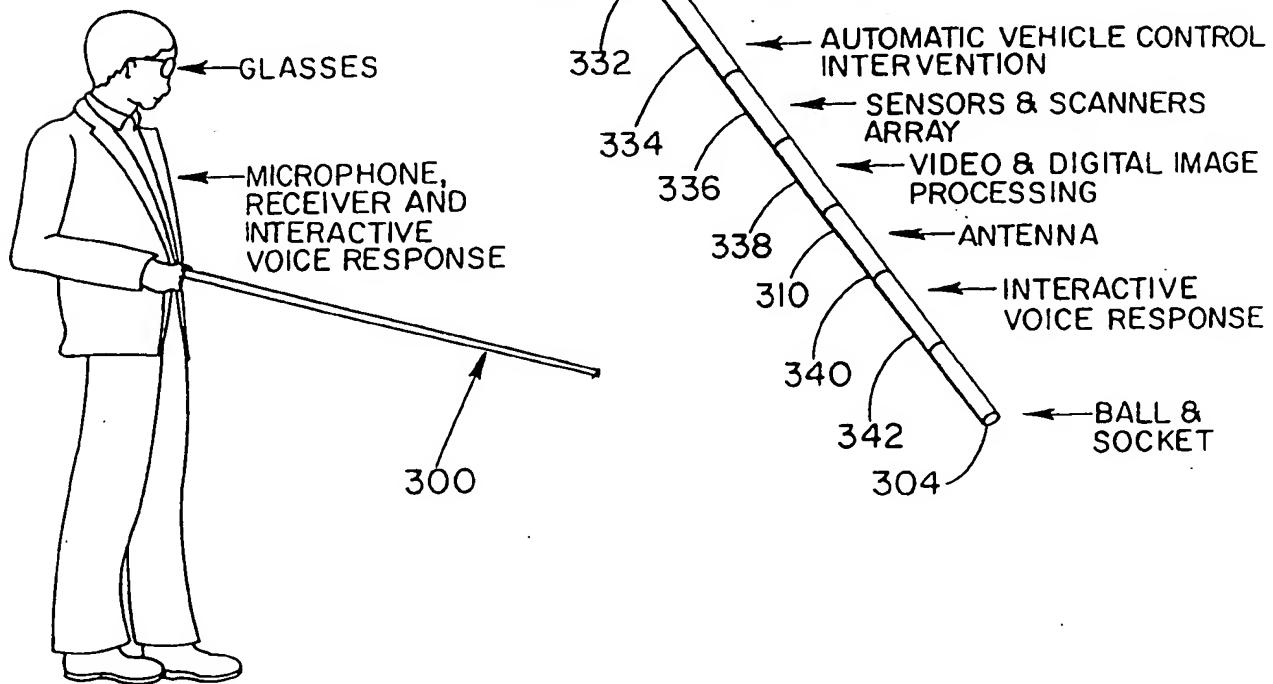


Fig. -13

COMMUNICATIONS

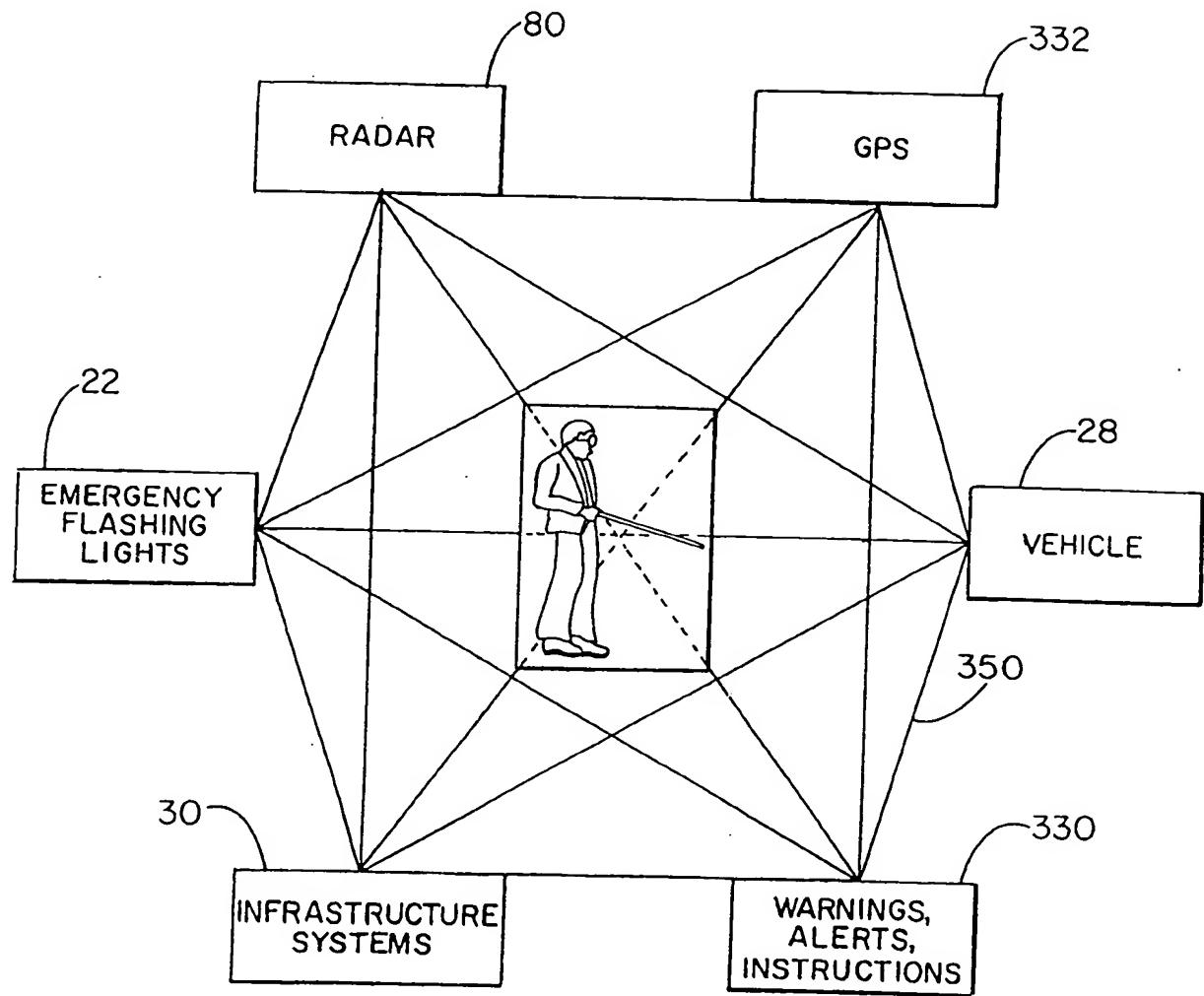


Fig. -14A

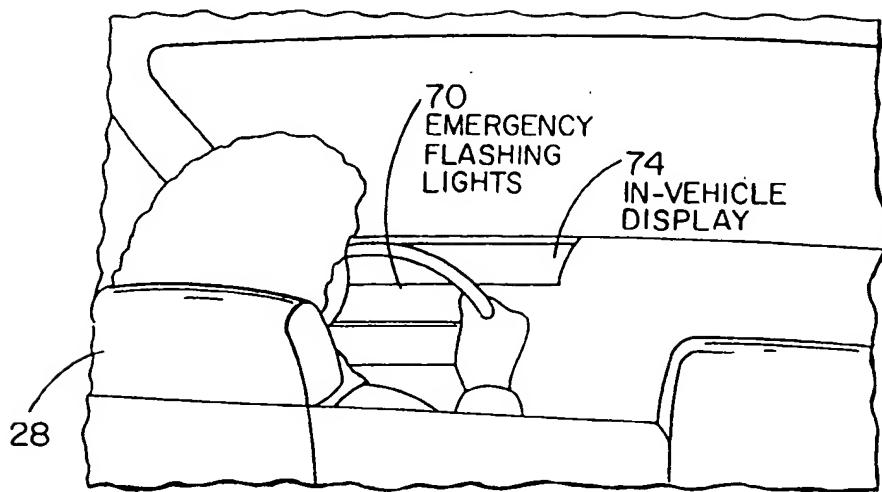


Fig. -14B

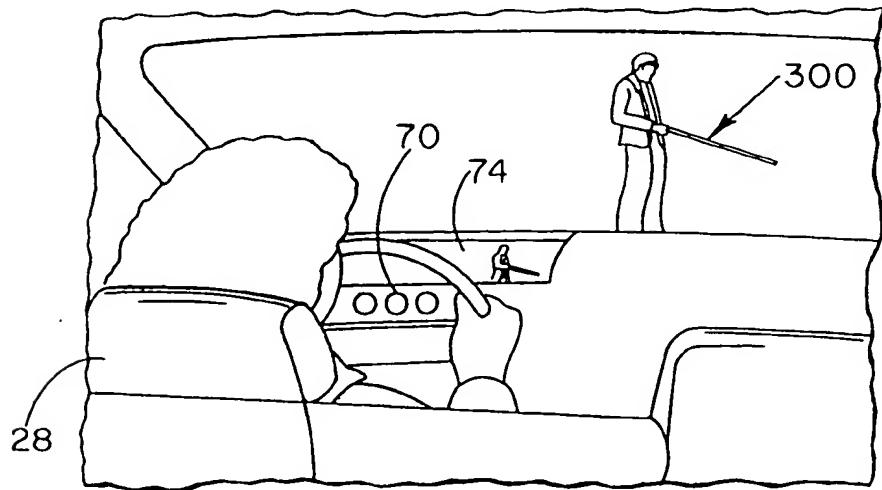


Fig.-15A

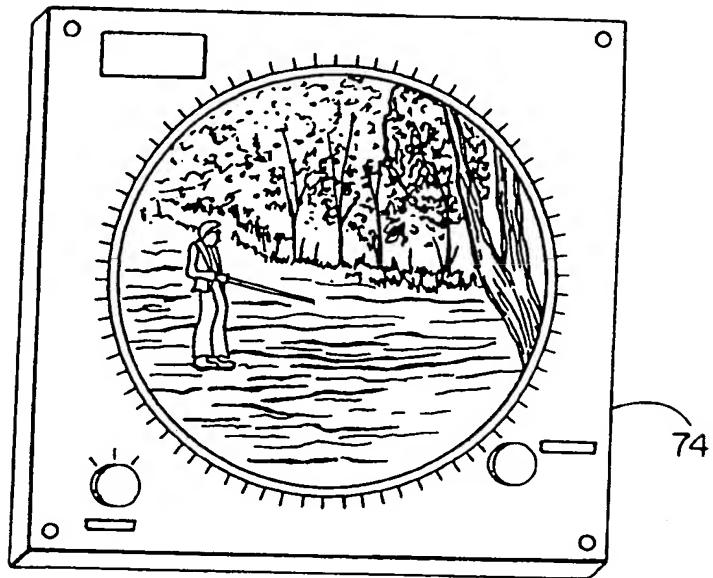


Fig.-15B

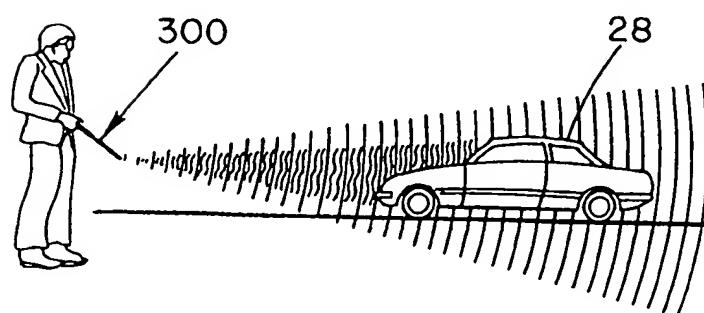


Fig.-16A

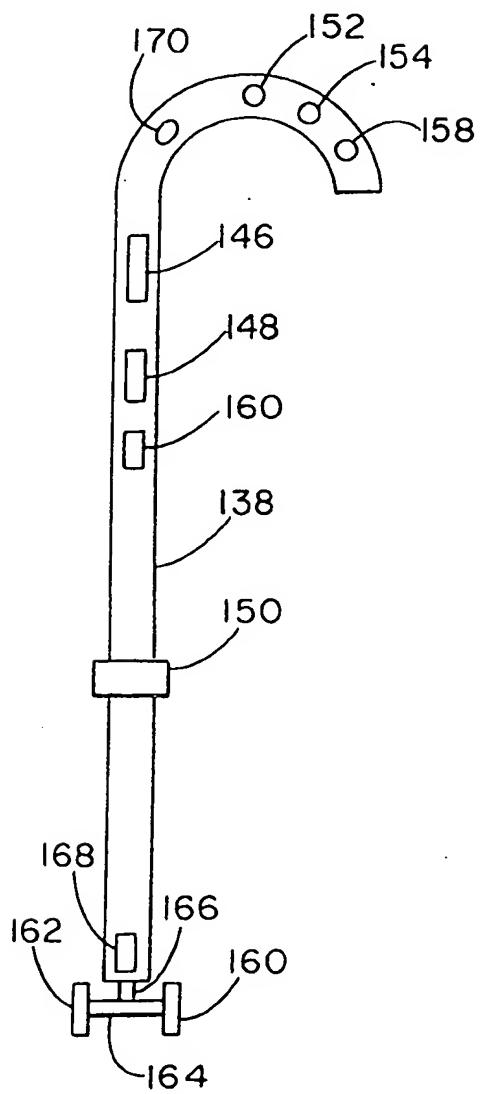


Fig.-16B

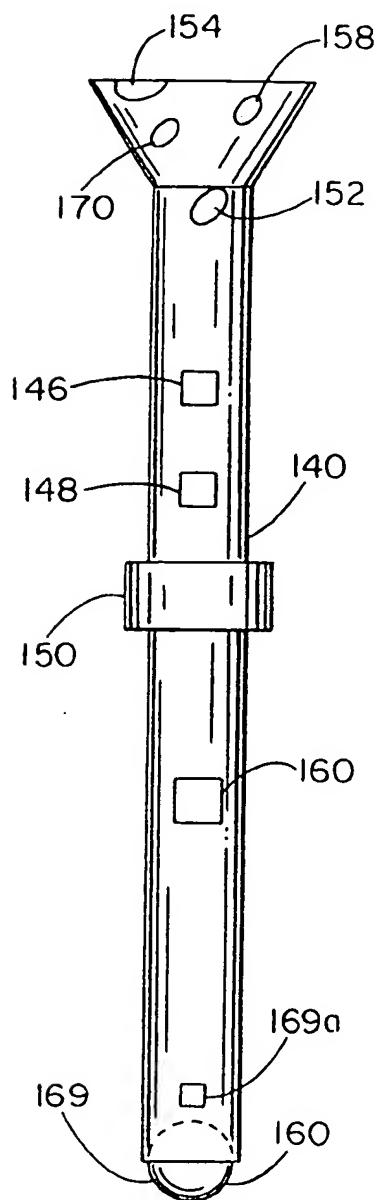


Fig.-17A

ANTISKID SYSTEM

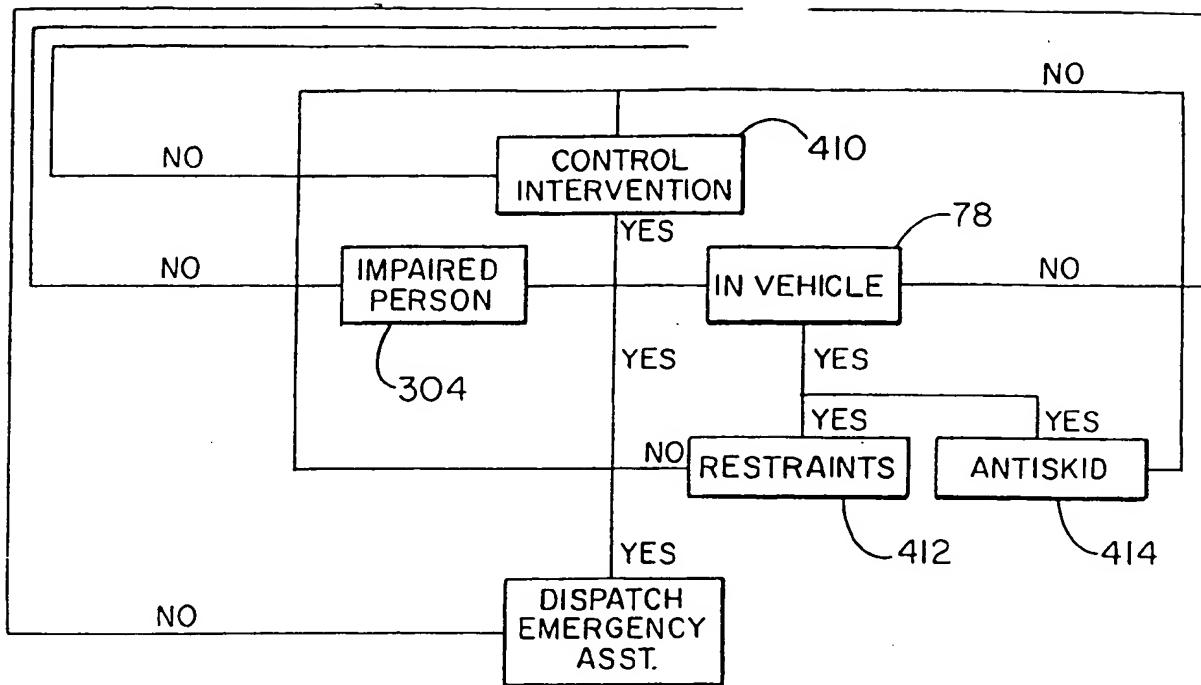


Fig.-17B

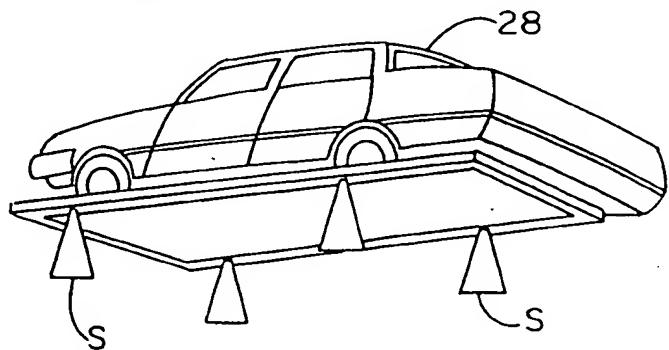


Fig.-18 (PRIOR ART)

INTERACTIVE VOICE RESPONSE

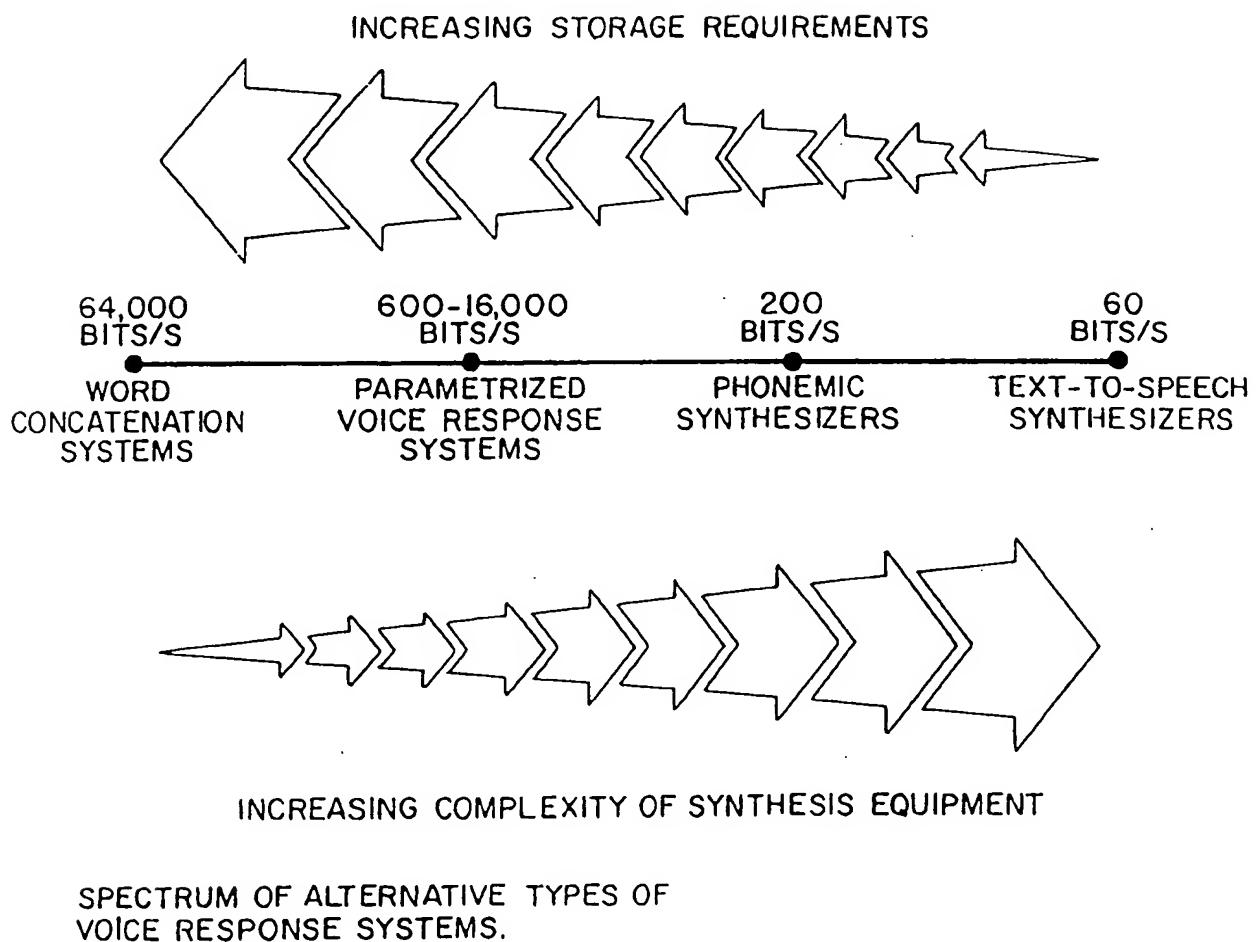
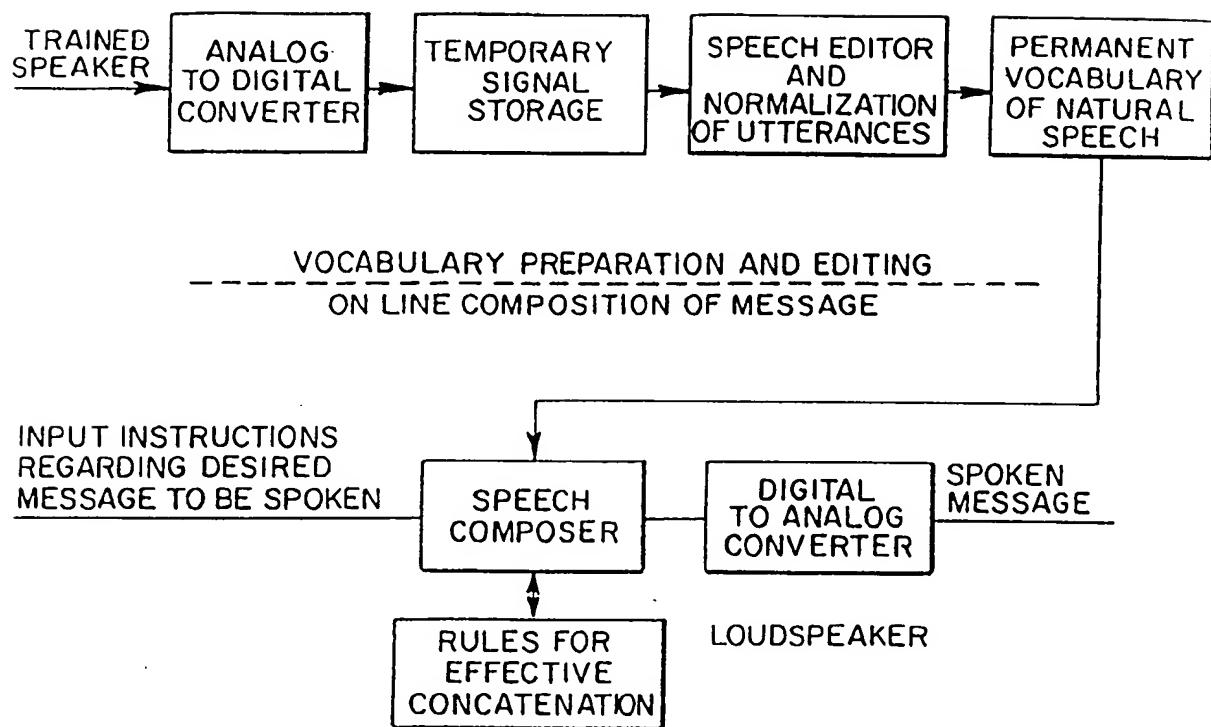


Fig.-19A (PRIOR ART)

INTERACTIVE VOICE RESPONSE

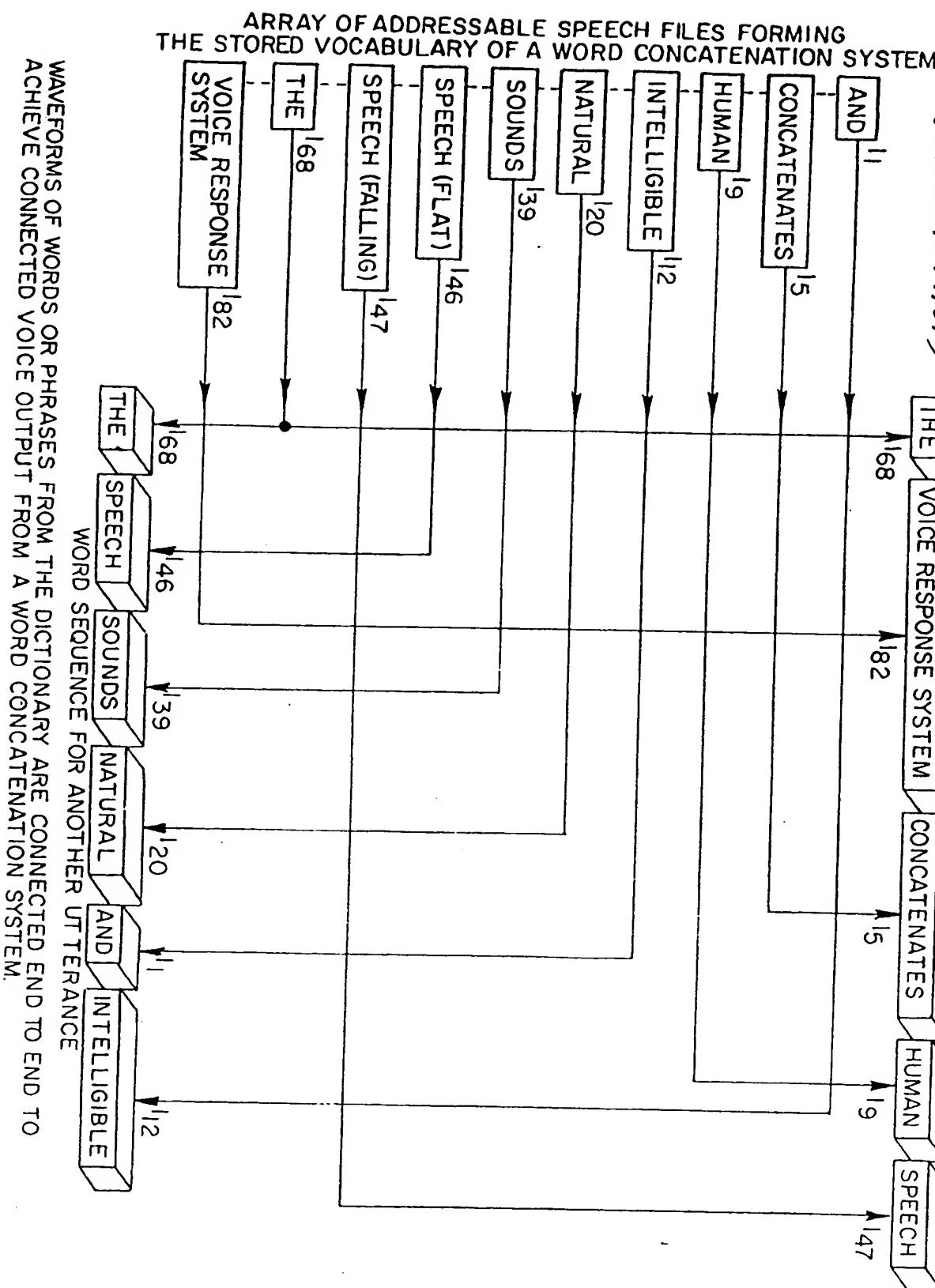


VOICE RESPONSE SYSTEM WHICH IS BASED UPON CONCATENATION OF WORDS SPOKEN BY A HUMAN.

Fig.-19B

(PRIOR ART)

WORD SEQUENCE FOR ONE DESIRED UTTERANCE



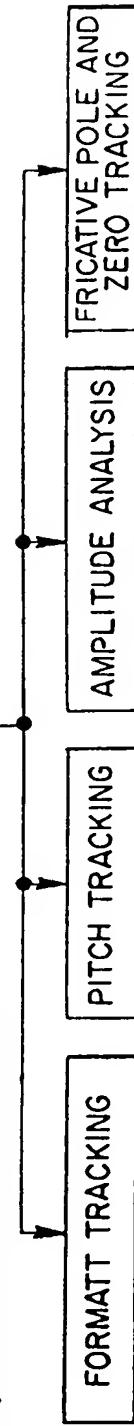
(PRIOR ART)

Fig. -20A

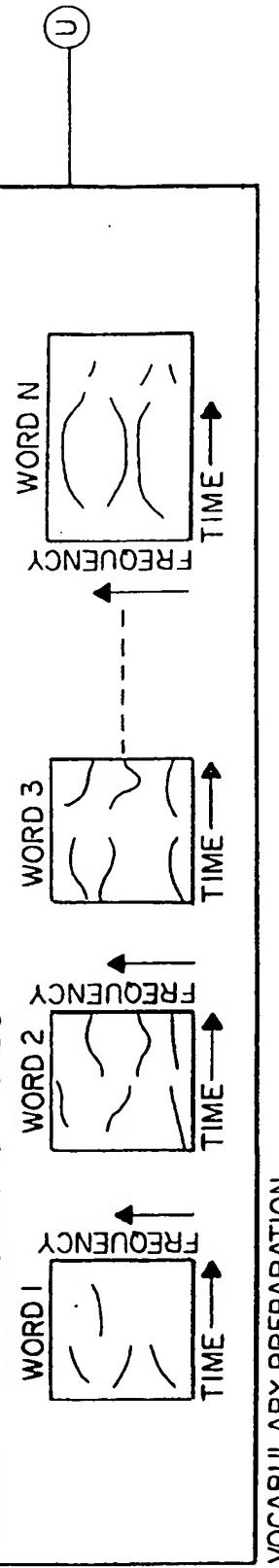
HUMAN SPEAKING OF WORDS

ANALOG TO DIGITAL CONVERSION

INTERACTIVE VOICE RESPONSE



PARAMETRIZE DICTIONARY OF WORDS



VOCABULARY PREPARATION

(U)

Fig.-20B (PRIOR ART)

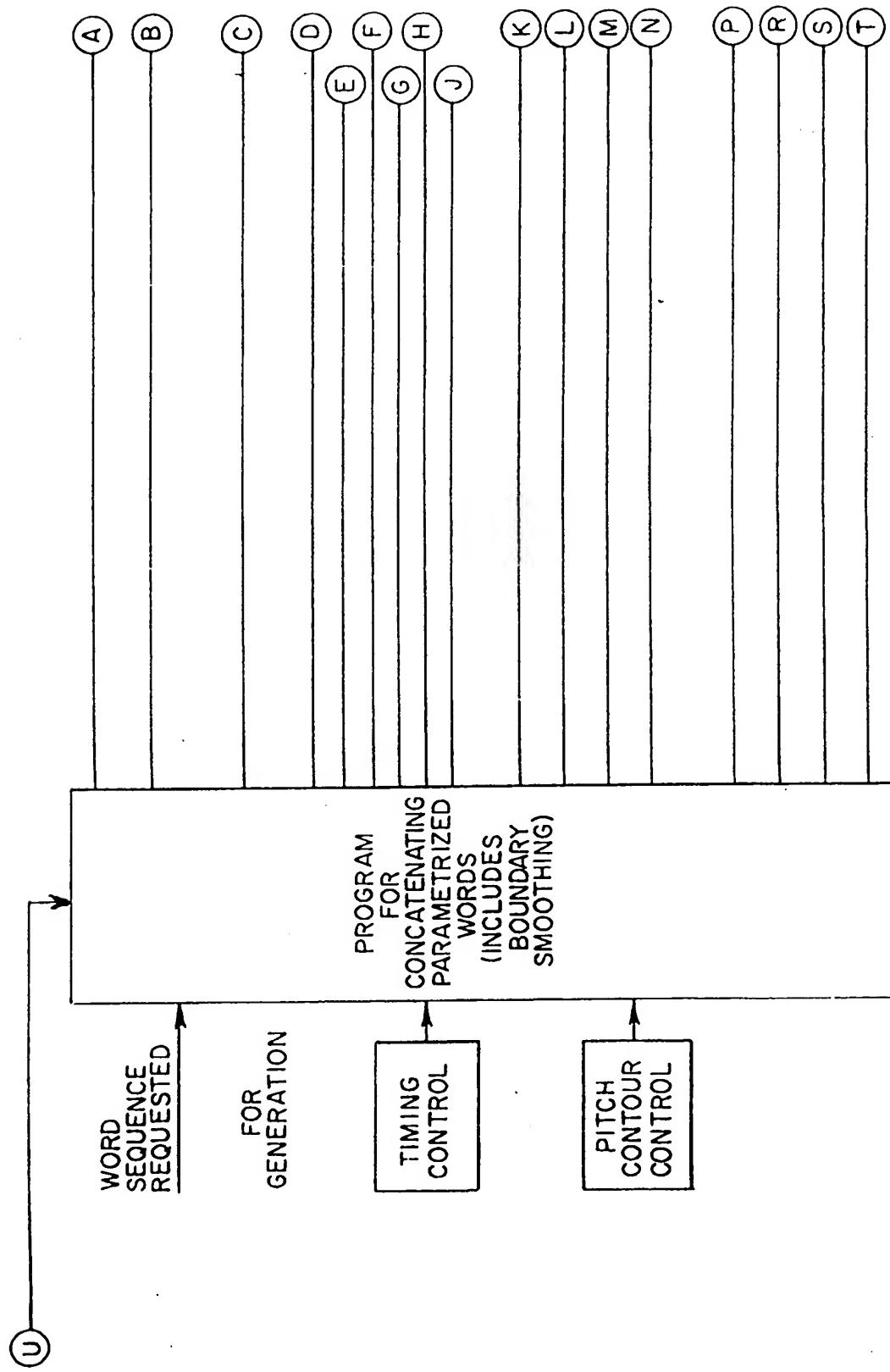


Fig.-20C (PRIOR ART)

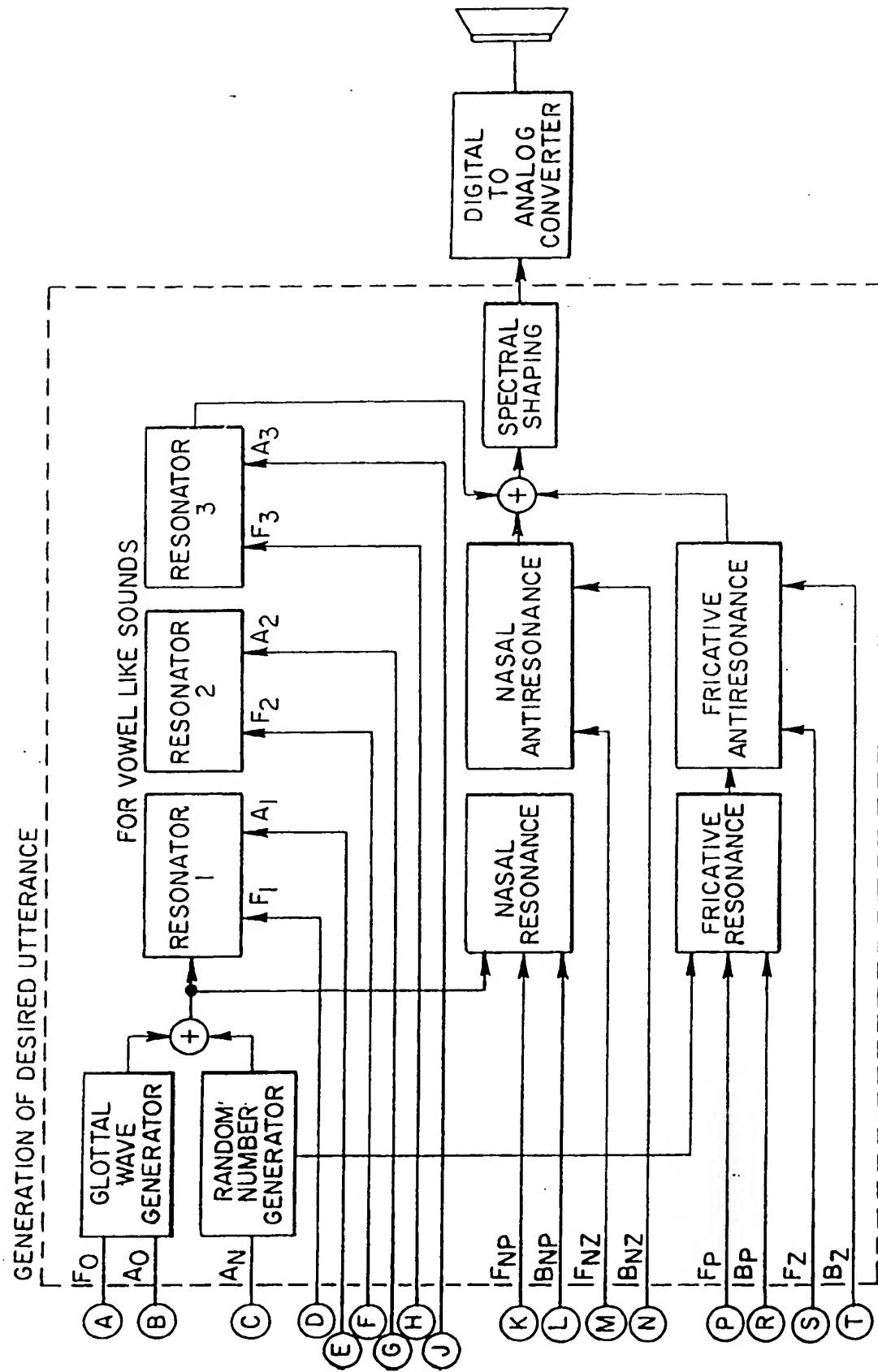
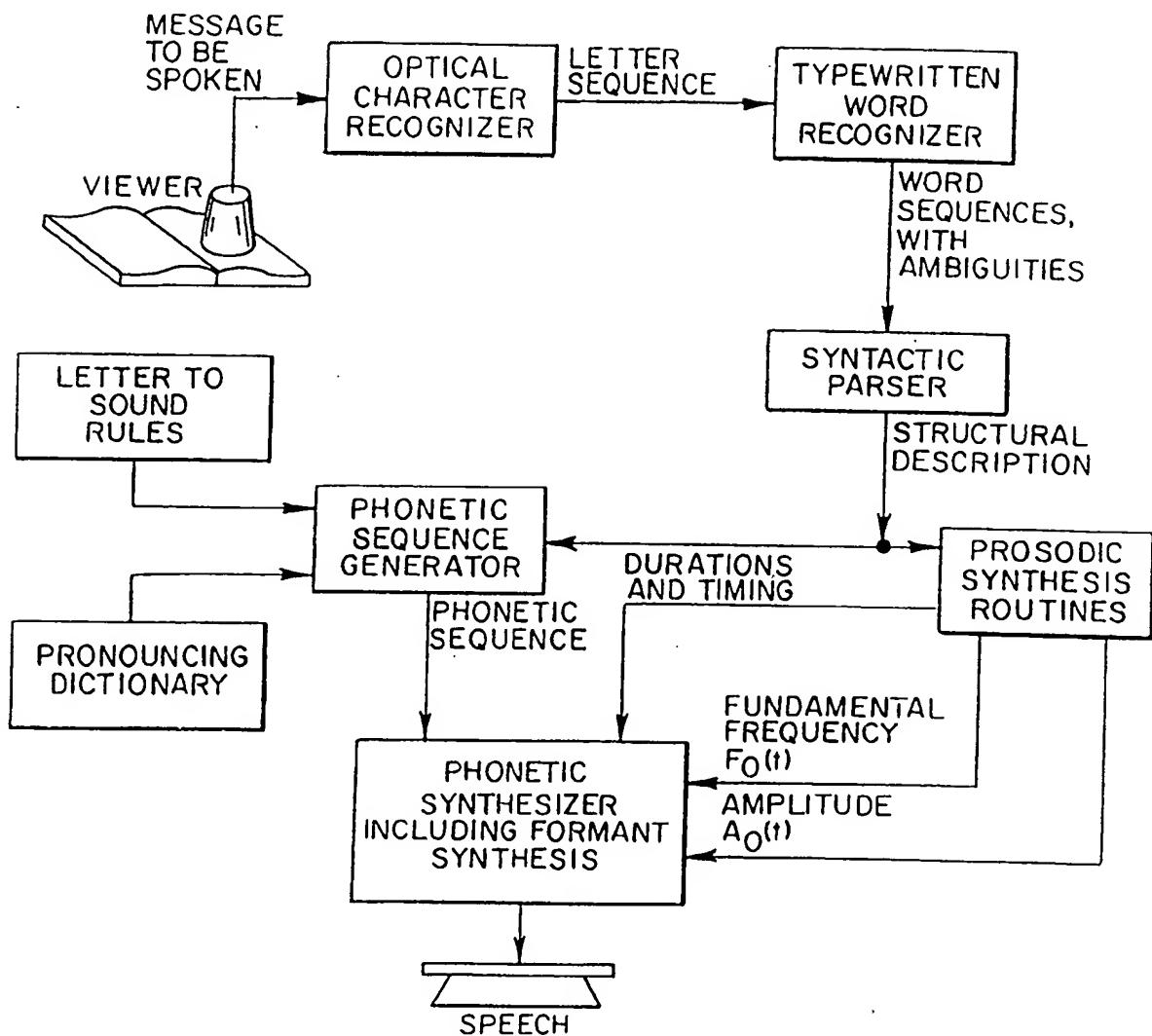


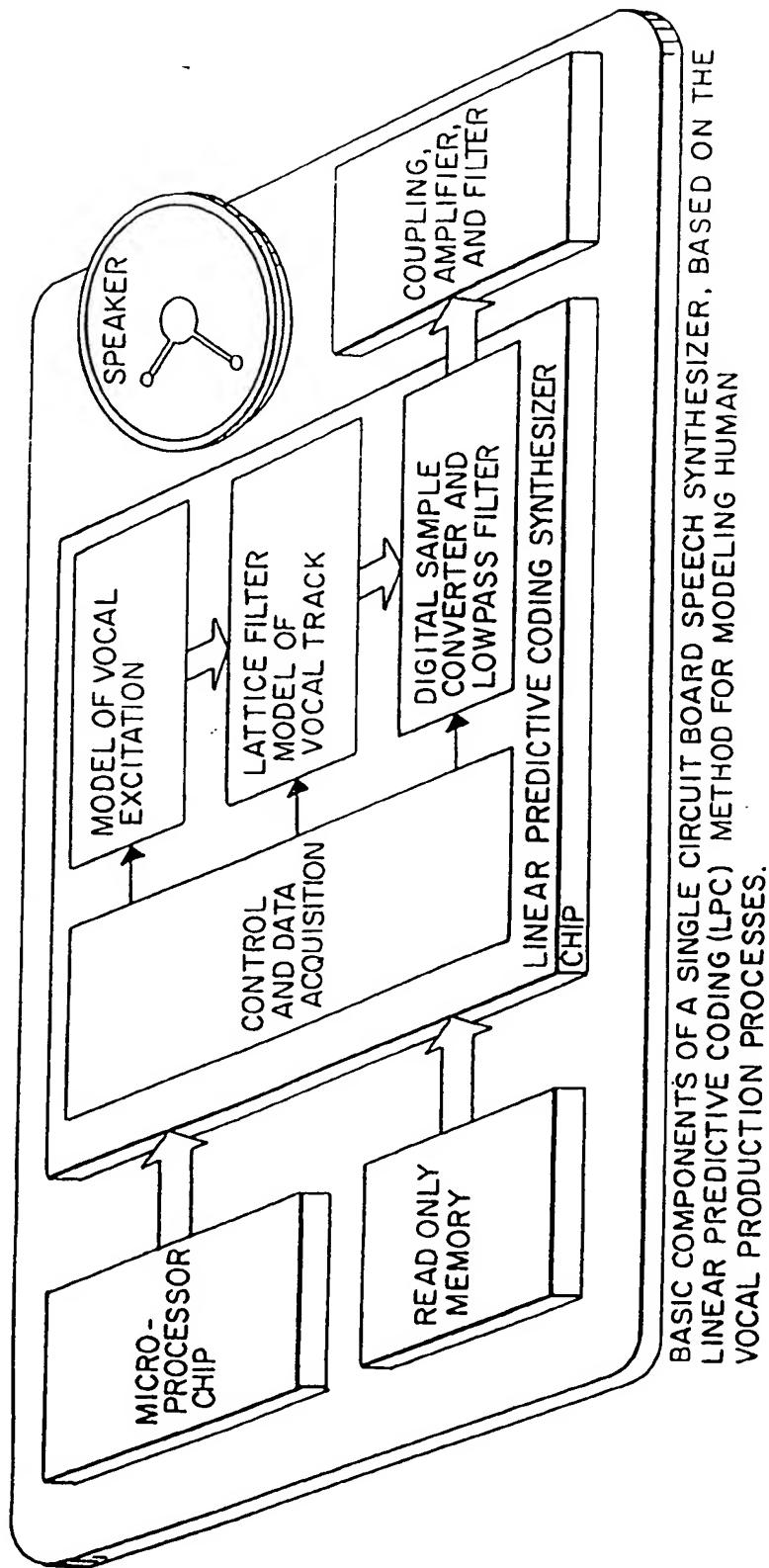
Fig. - 21A (PRIOR ART)

INTERACTIVE VOICE RESPONSE



TEXT TO SPEECH SYSTEM FOR GENERATING COMPLEX SENTENCES WITH LARGE VOCABULARIES

Fig.-21B (PRIOR ART)



BASIC COMPONENTS OF A SINGLE CIRCUIT BOARD SPEECH SYNTHESIZER, BASED ON THE LINEAR PREDICTIVE CODING (LPC) METHOD FOR MODELING HUMAN VOCAL PRODUCTION PROCESSES.

Fig. -22

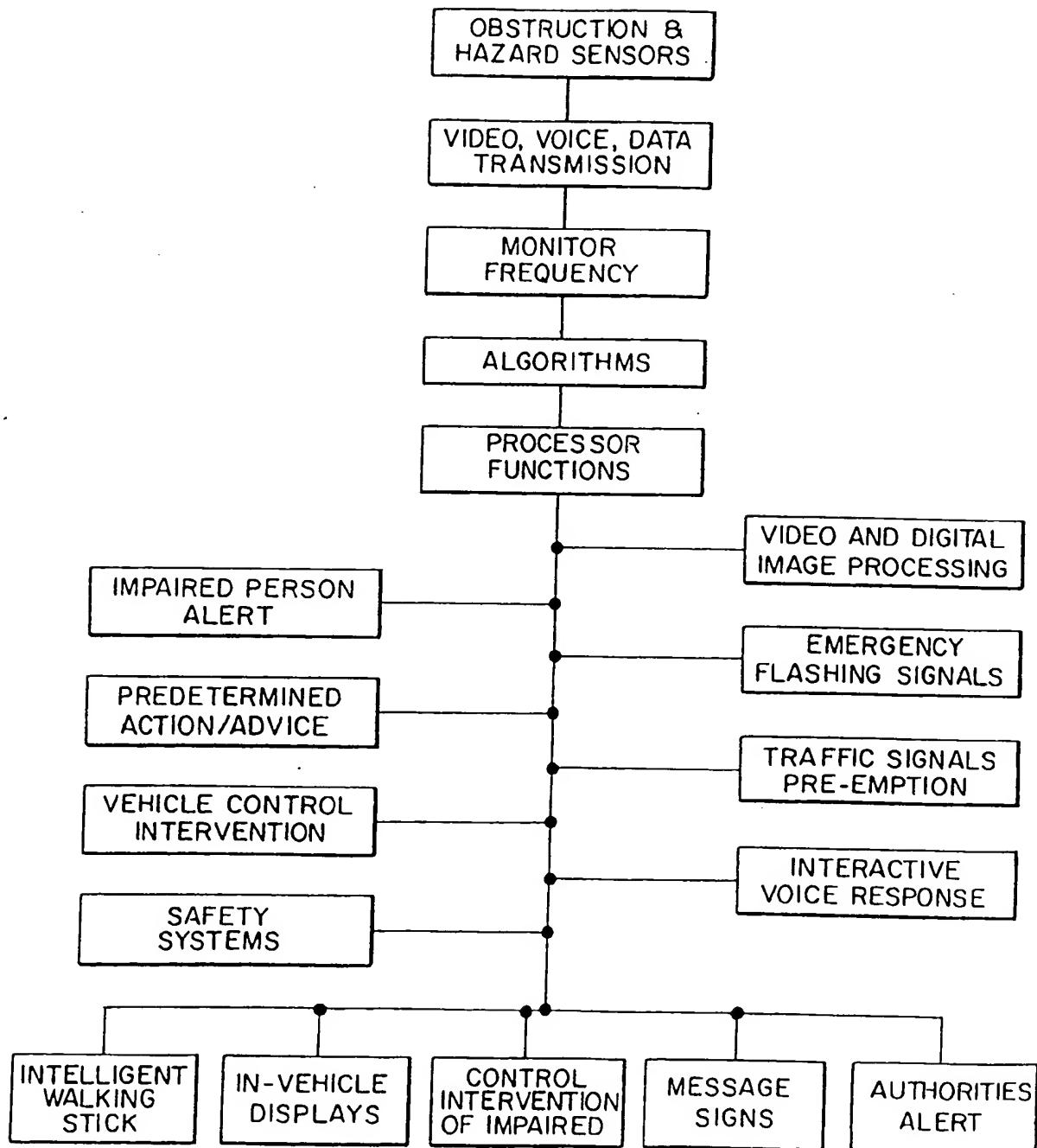


Fig.-23

EMERGENCY FLASHING LIGHTS

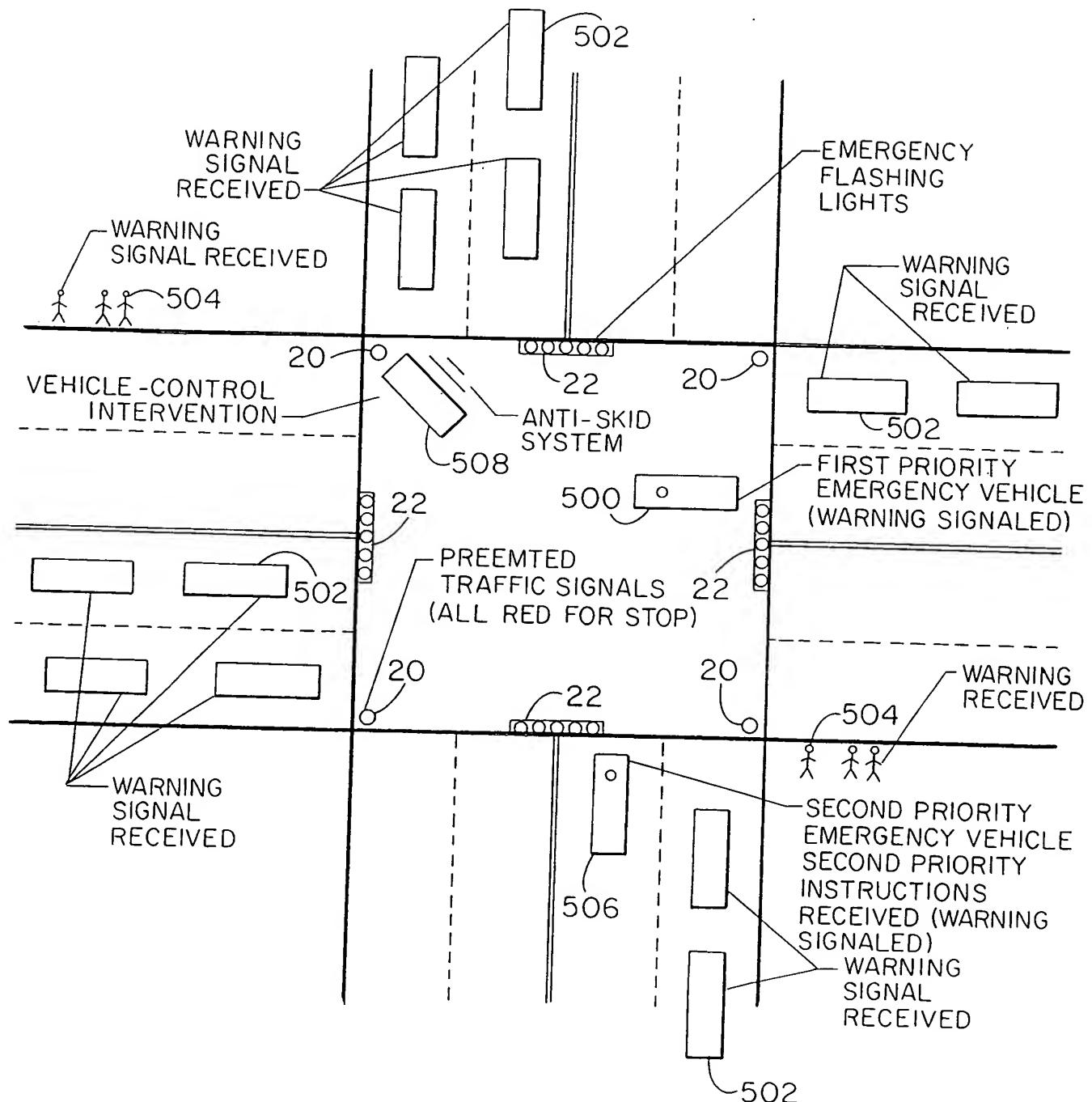


Fig.-24

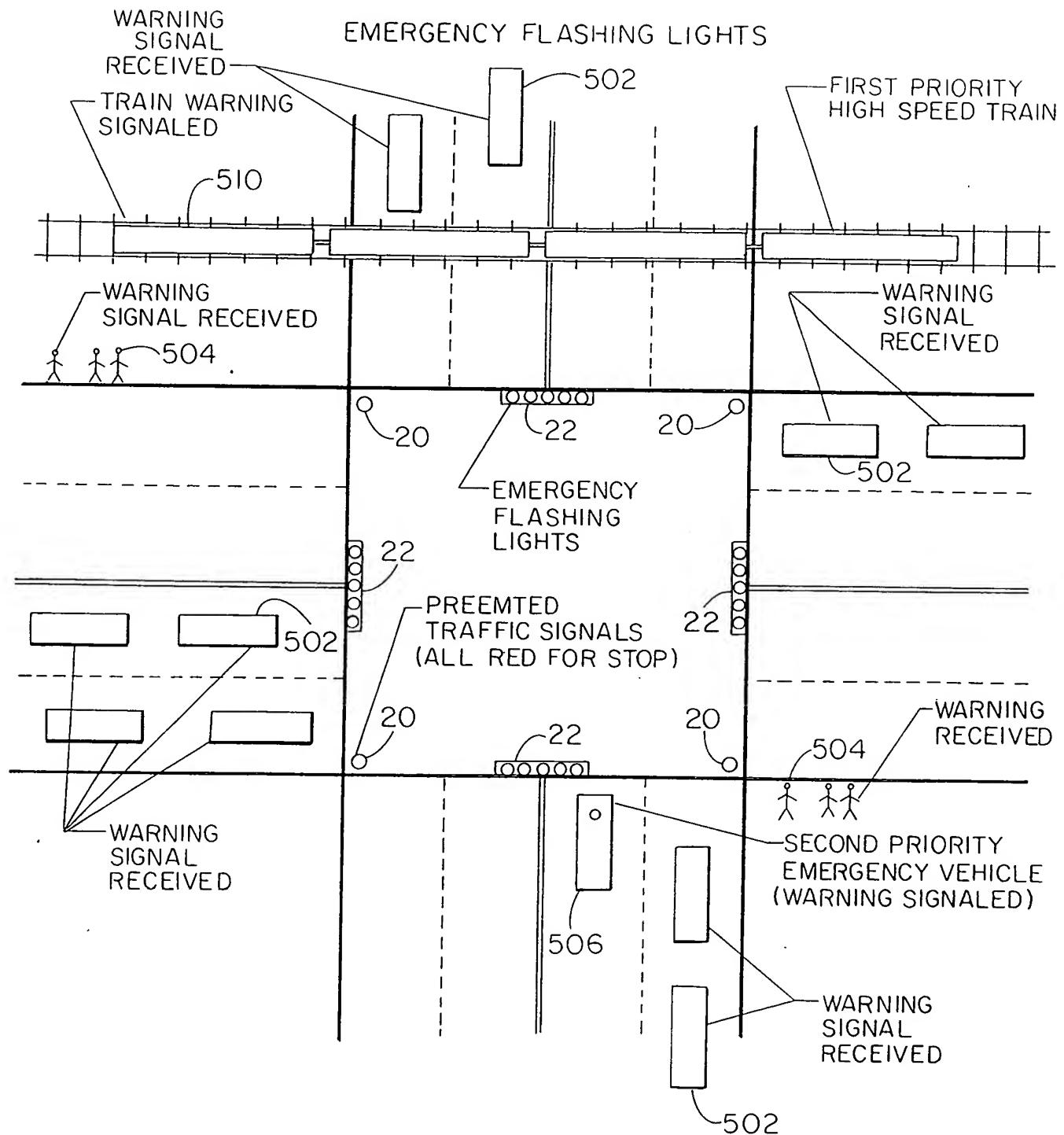


Fig. 25

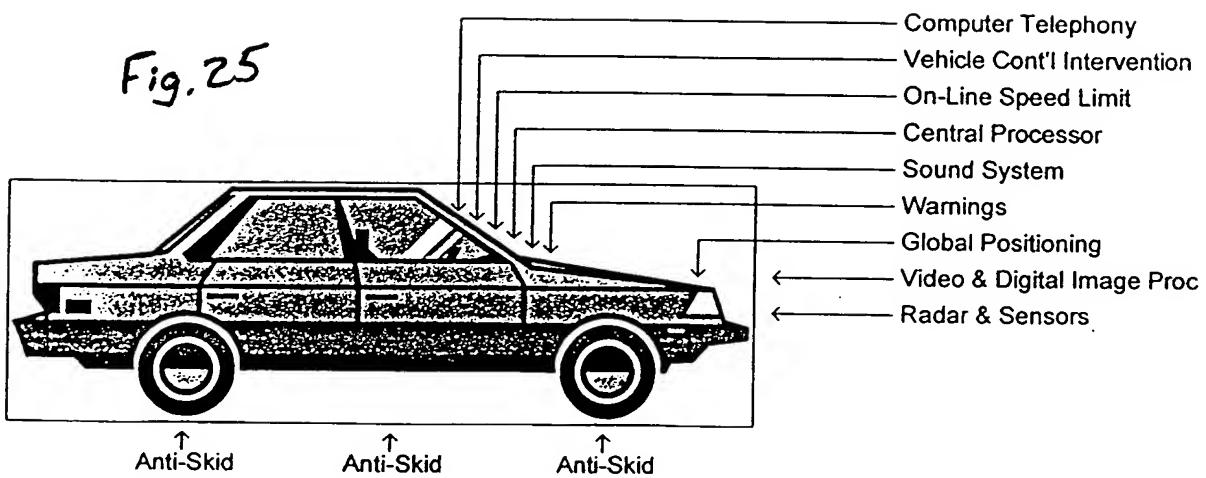
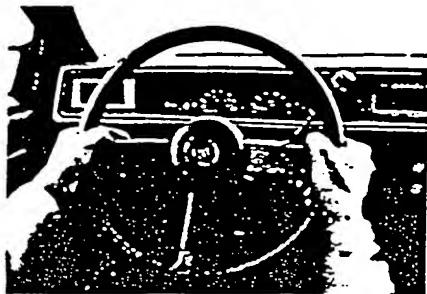
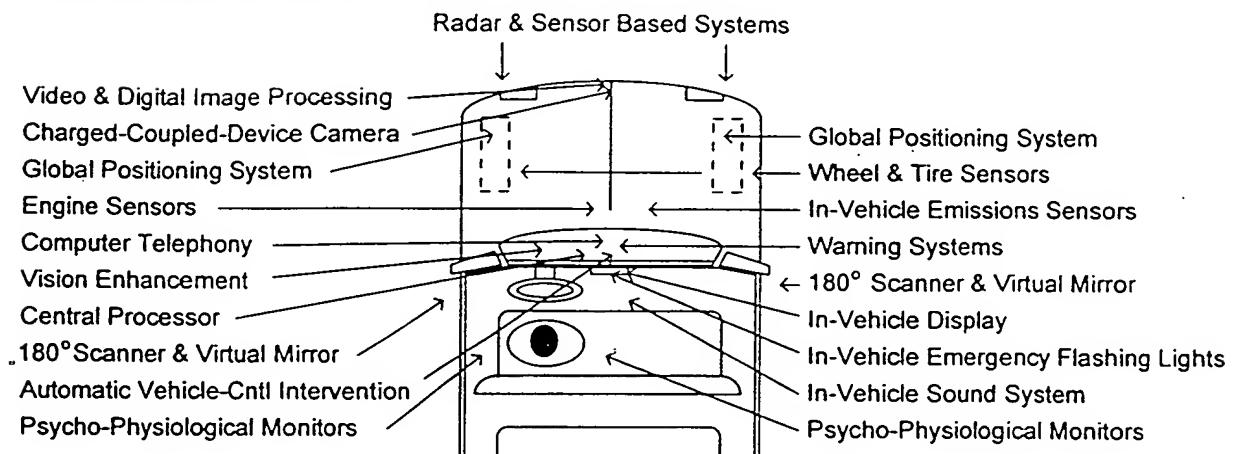


Fig. 26

INTELLIGENT VEHICLE — SAFETY READINESS



← Steering Monitor
← Lane Change Monitor



Braking Monitor →
Throttle Monitor →



Fig. 27

INTELLIGENT VEHICLE

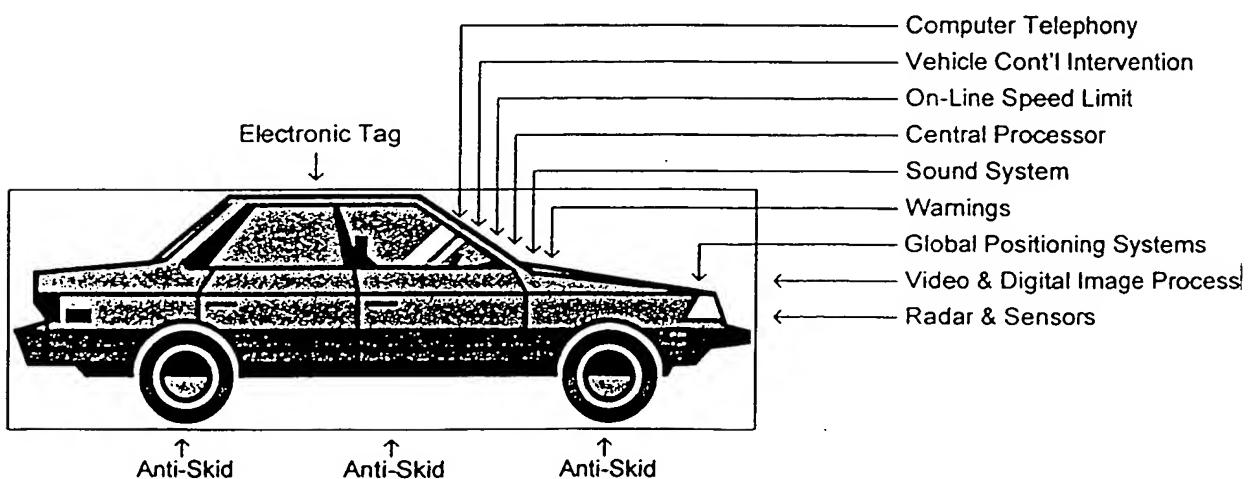
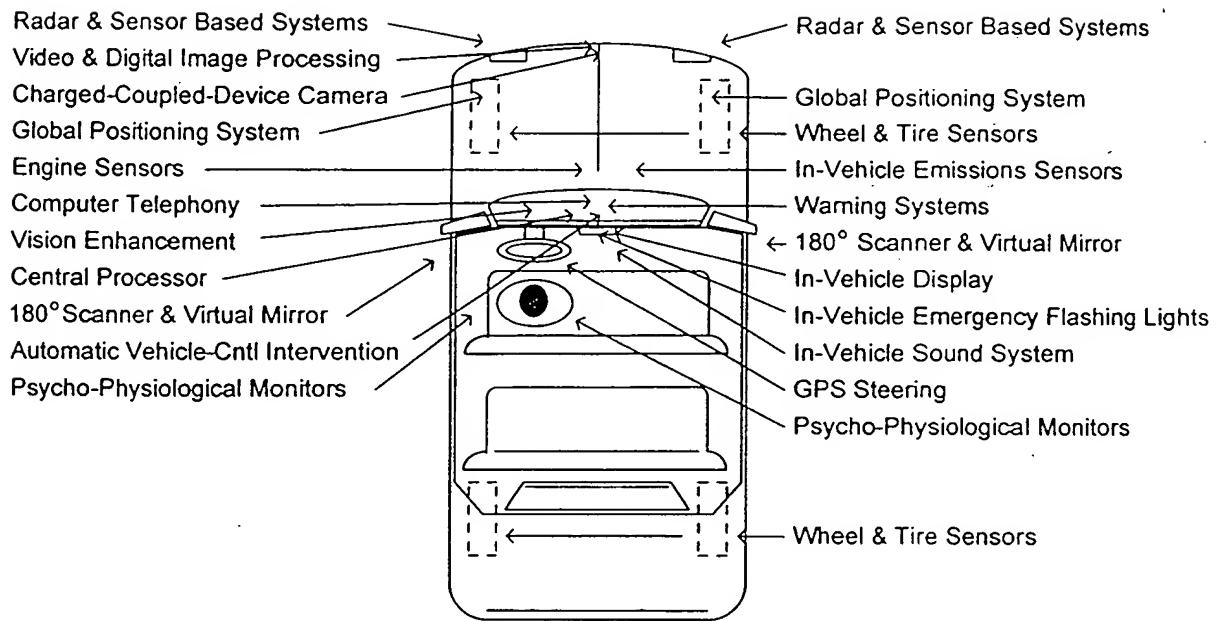


Fig. 28

OPEN ROAD SAFETY

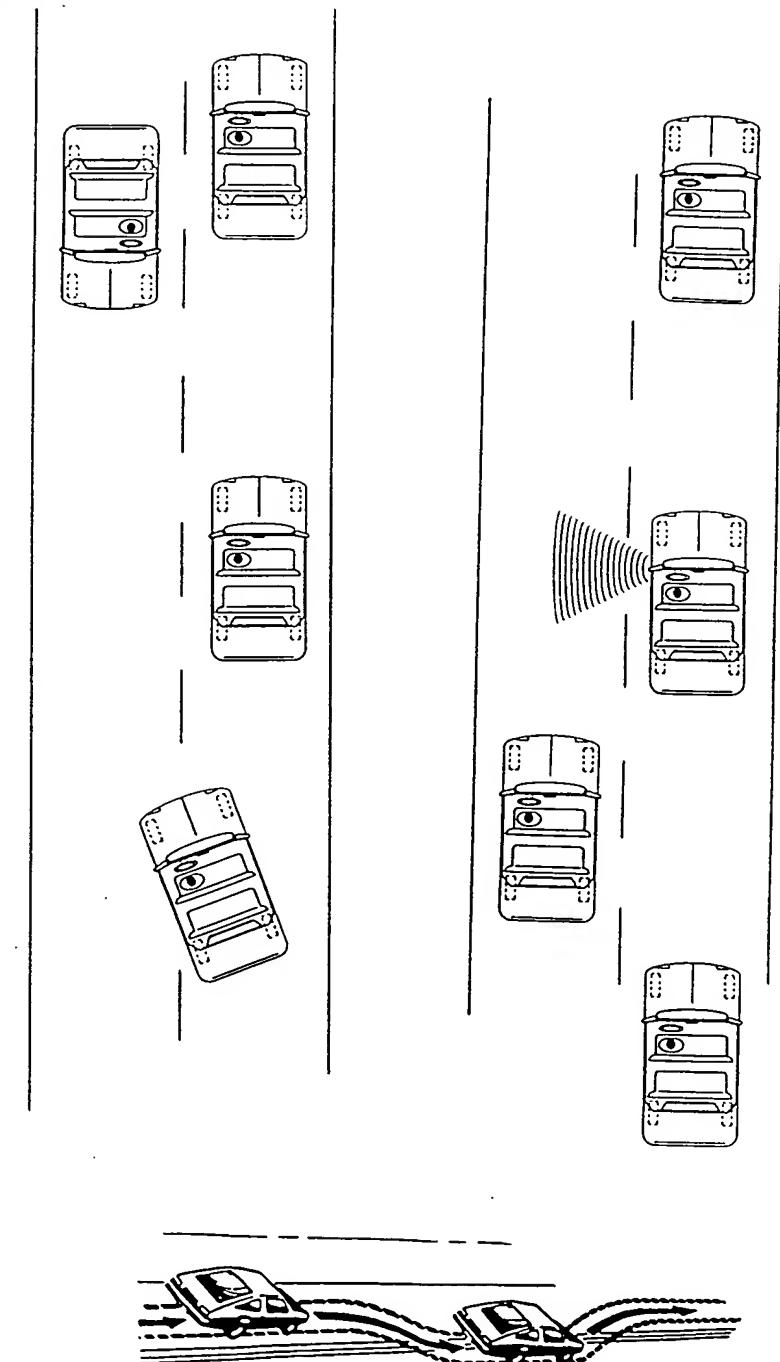


Fig. 29

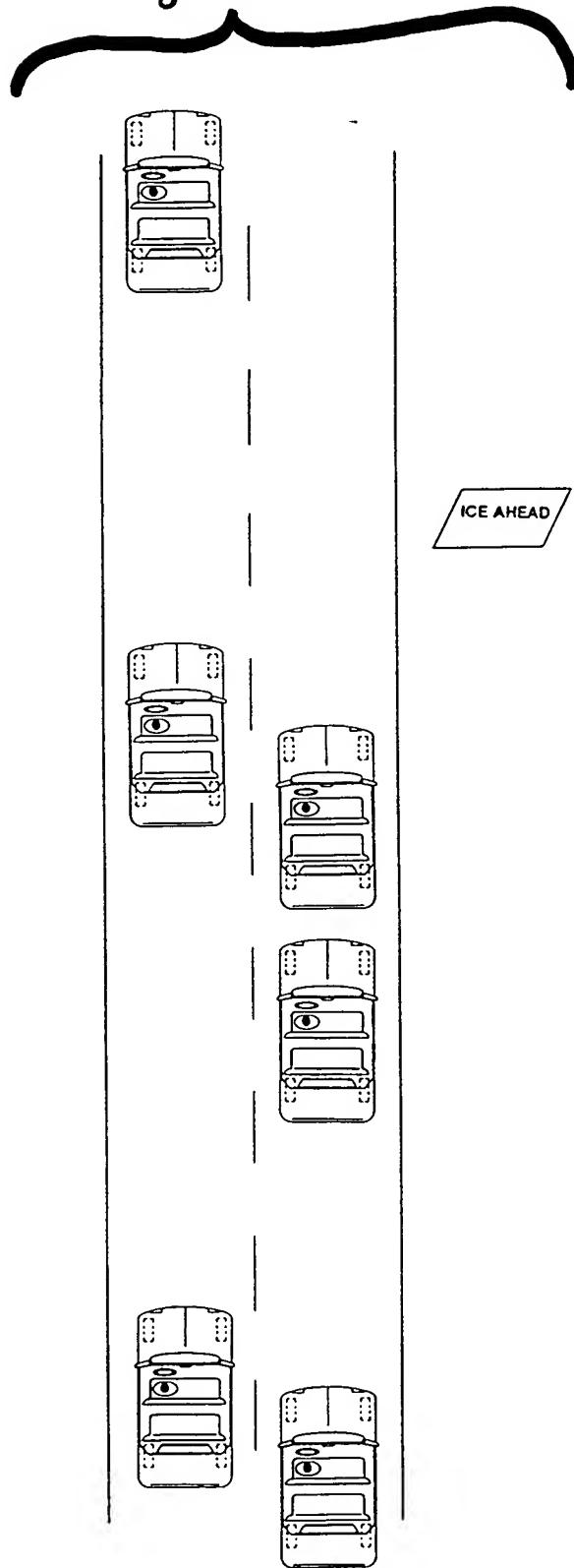


Fig. 30

